

1 / 44

FIG. 1

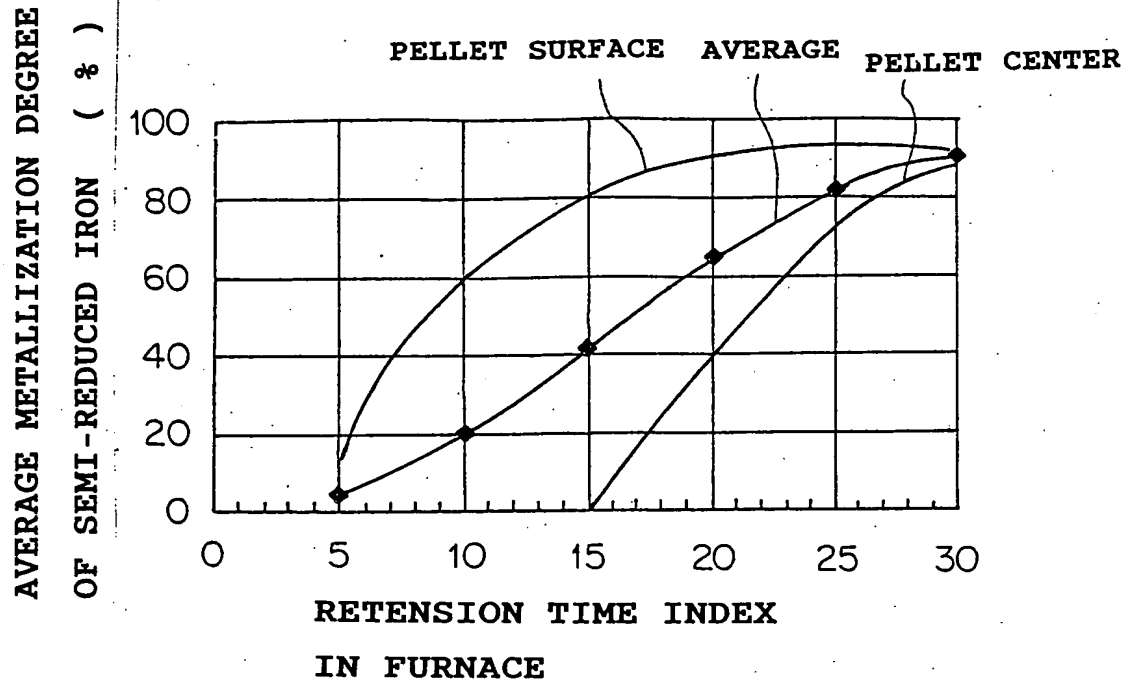


FIG. 4

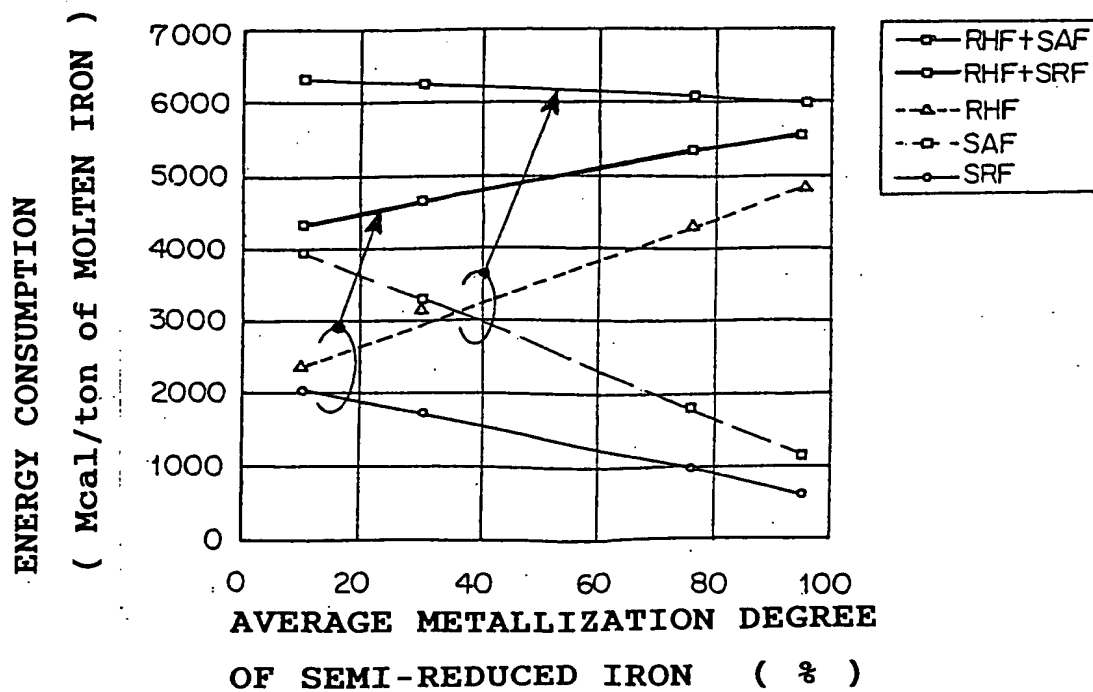


FIG. 2

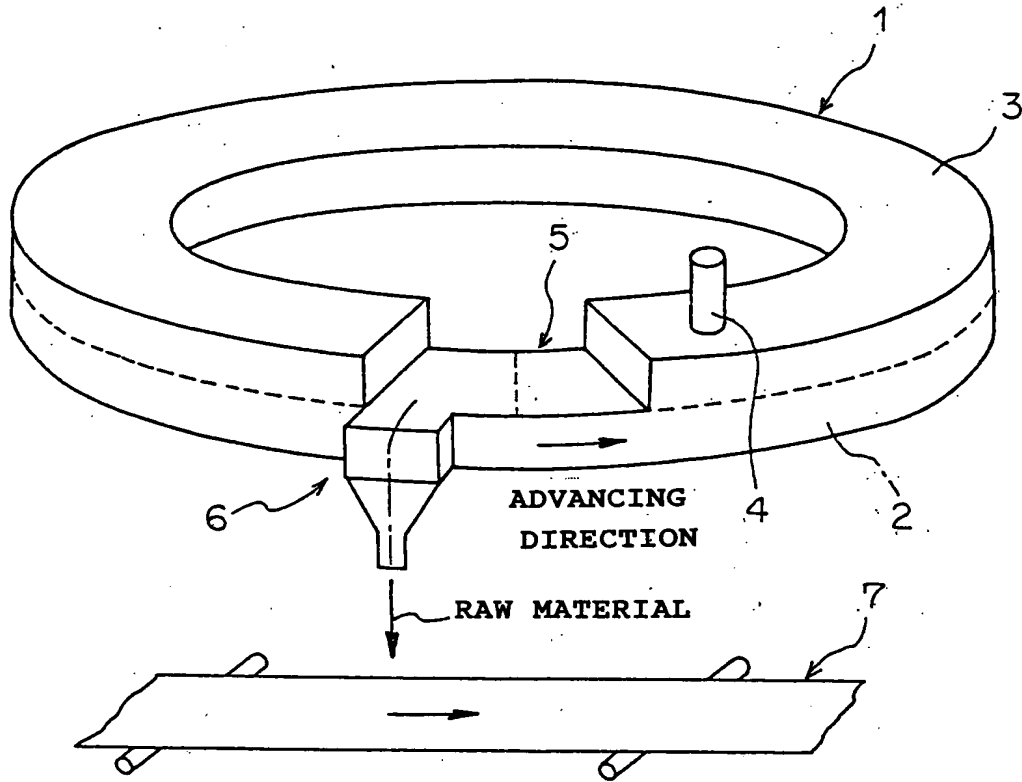


FIG. 3

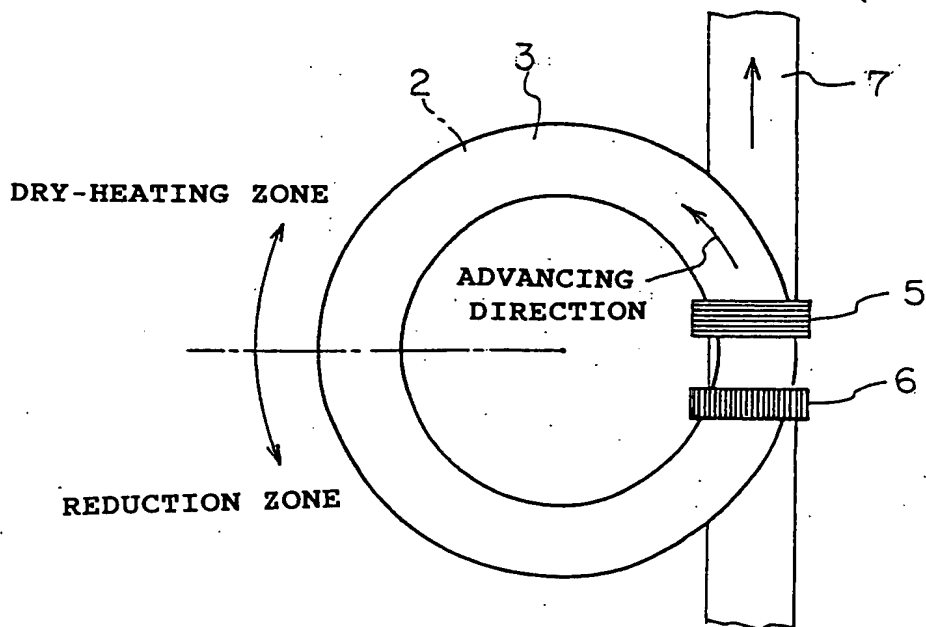


FIG. 5

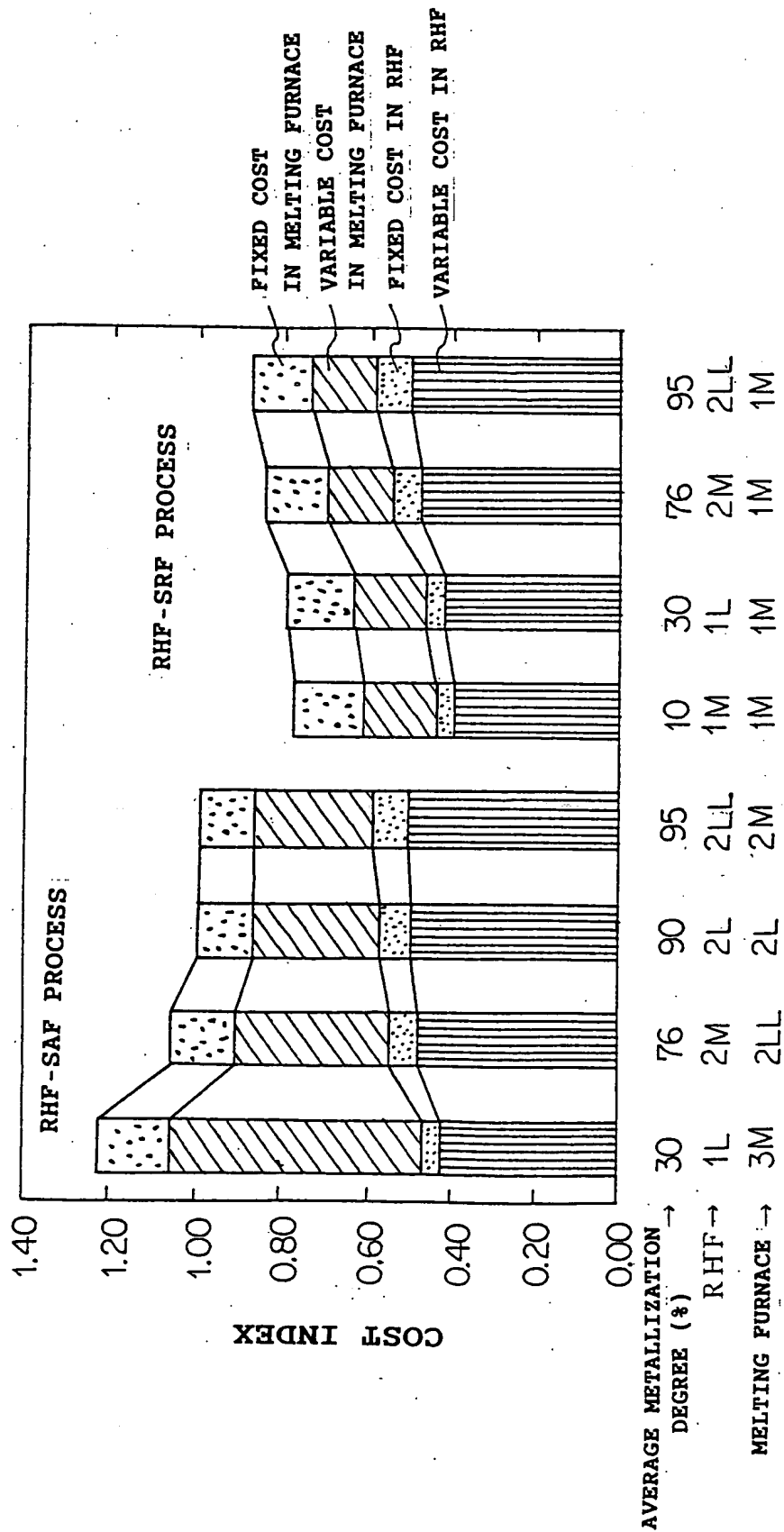
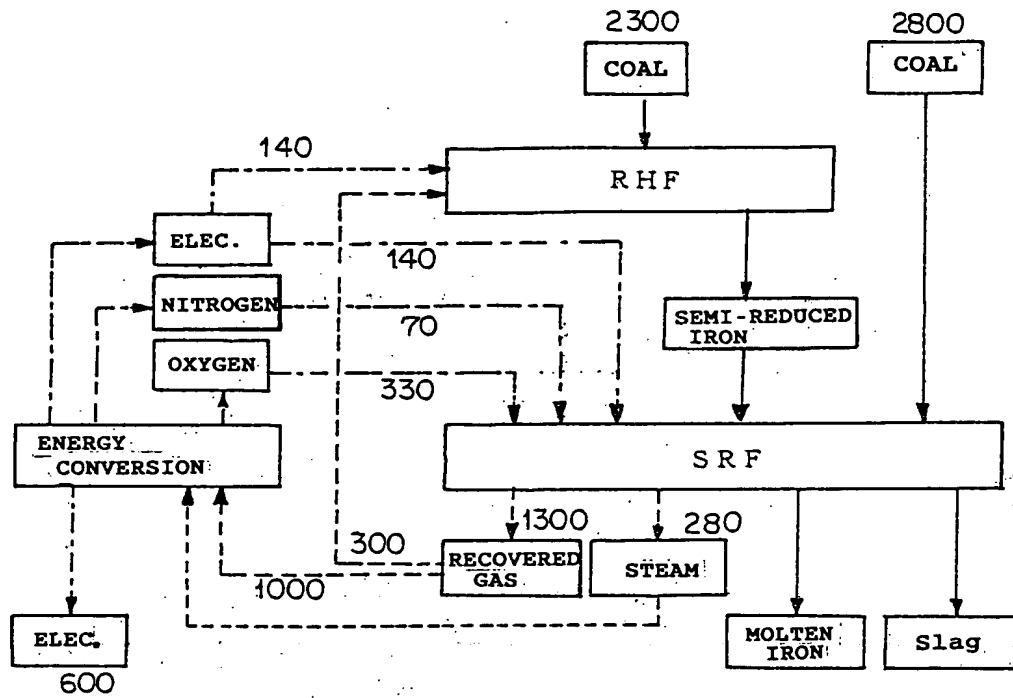


FIG. 6

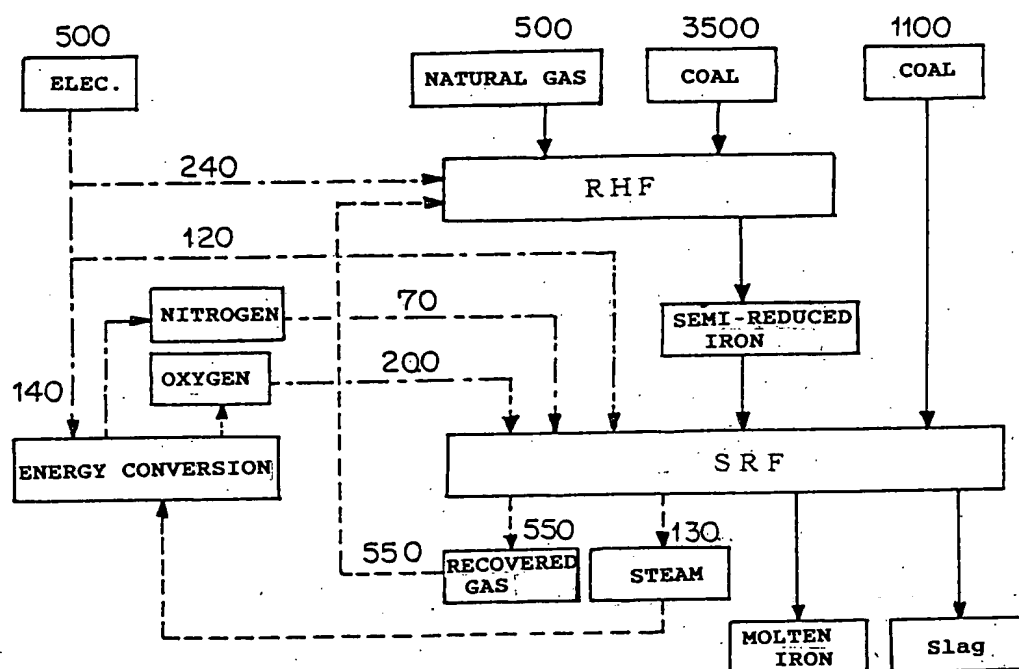


AVERAGE METALLIZATION DEGREE: 30 %

UNIT: Mcal / ton of MOLTEN IRON

10085797-022800

FIG. 7



AVERAGE METALLIZATION DEGREE: 90 %

UNIT: Mcal / ton of MOLTEN IRON

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FIG. 8

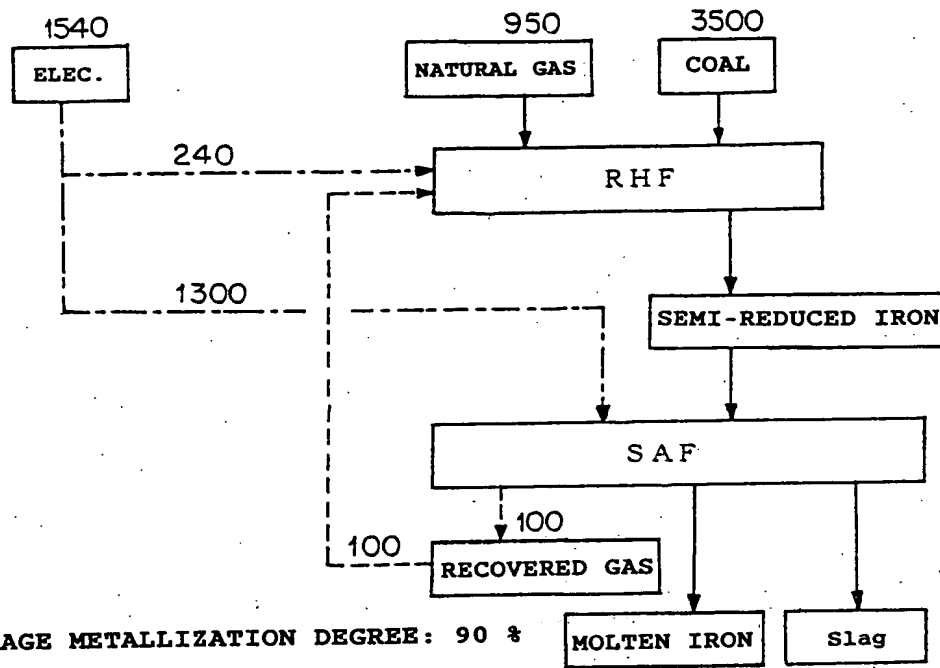


FIG. 9

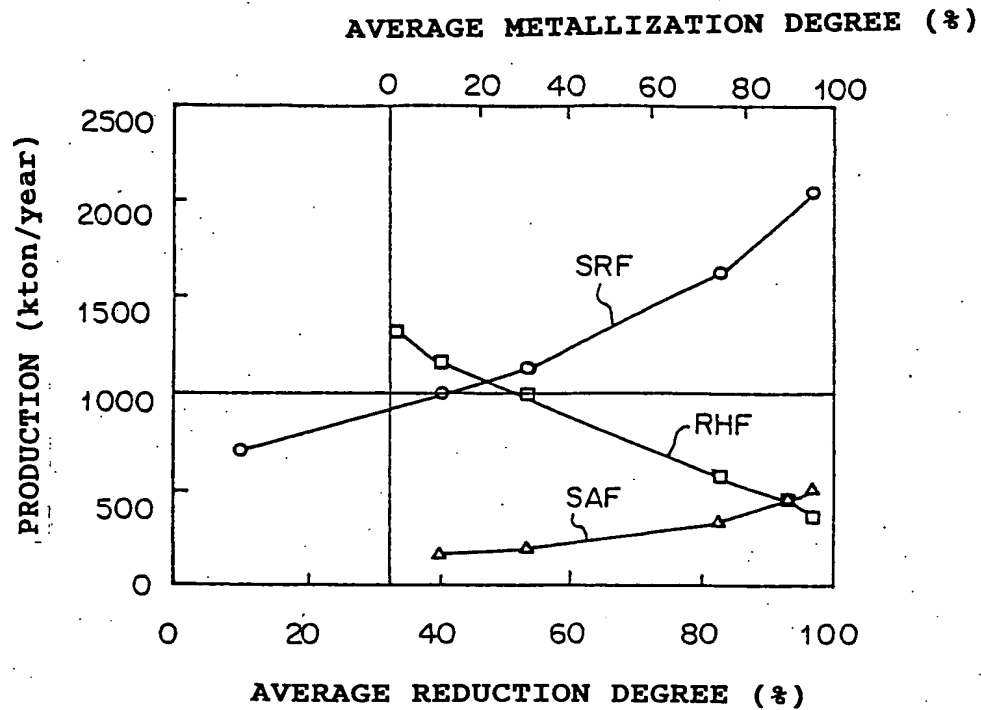


FIG. 10

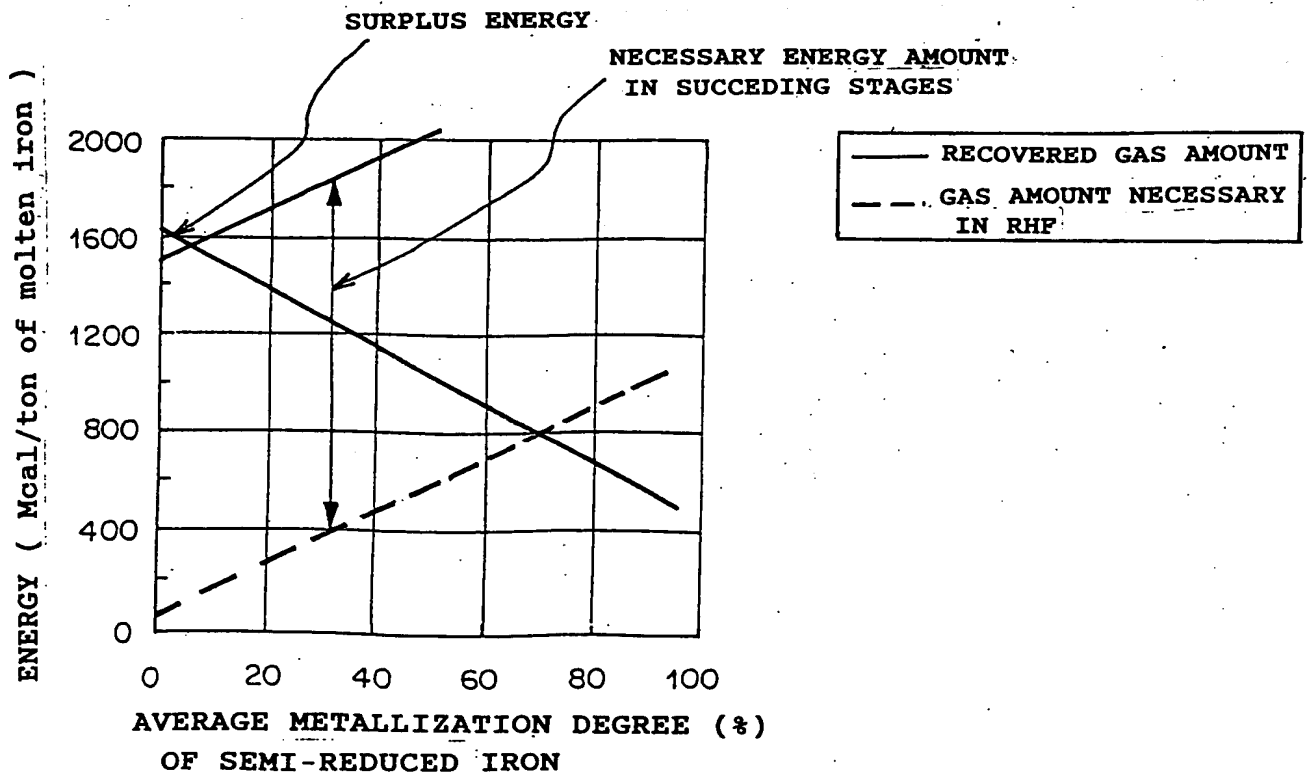


FIG. 12

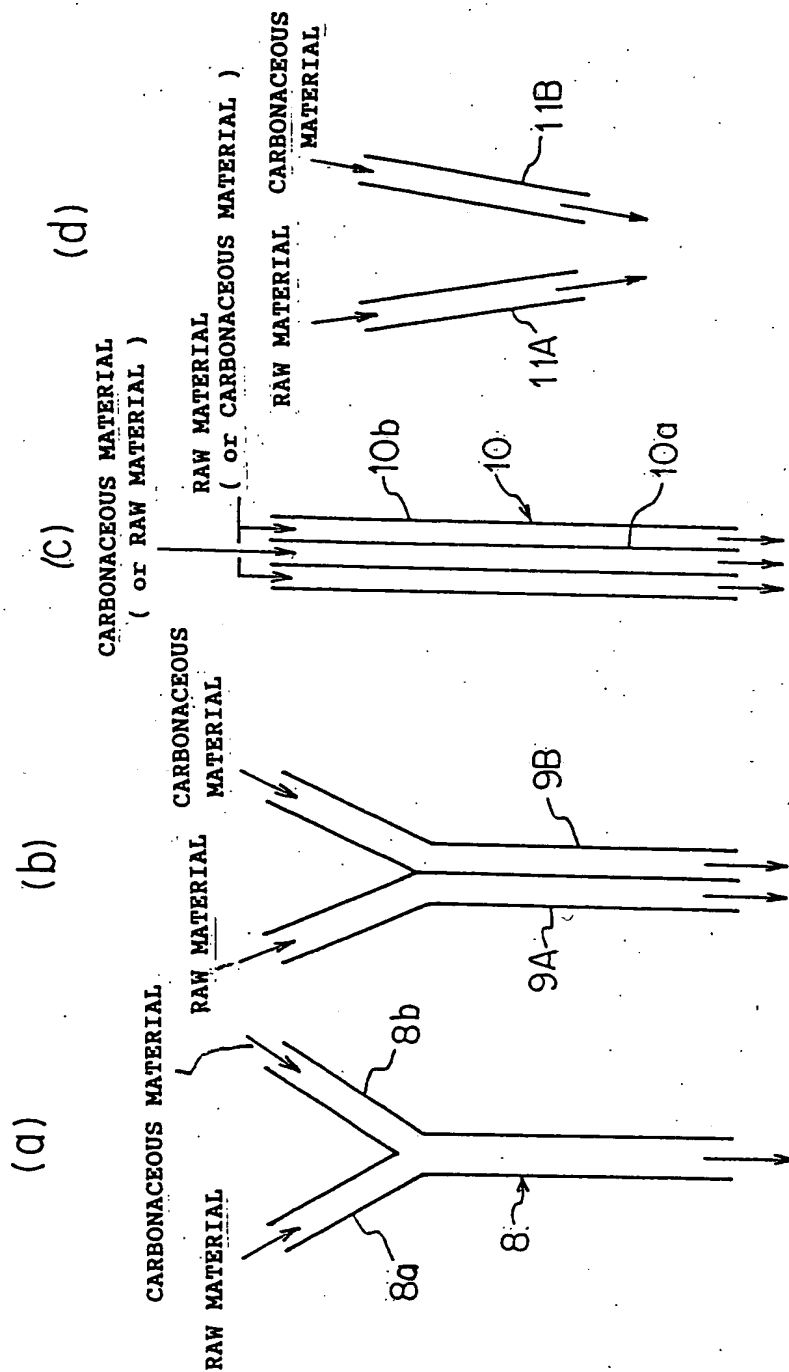


FIG. 13

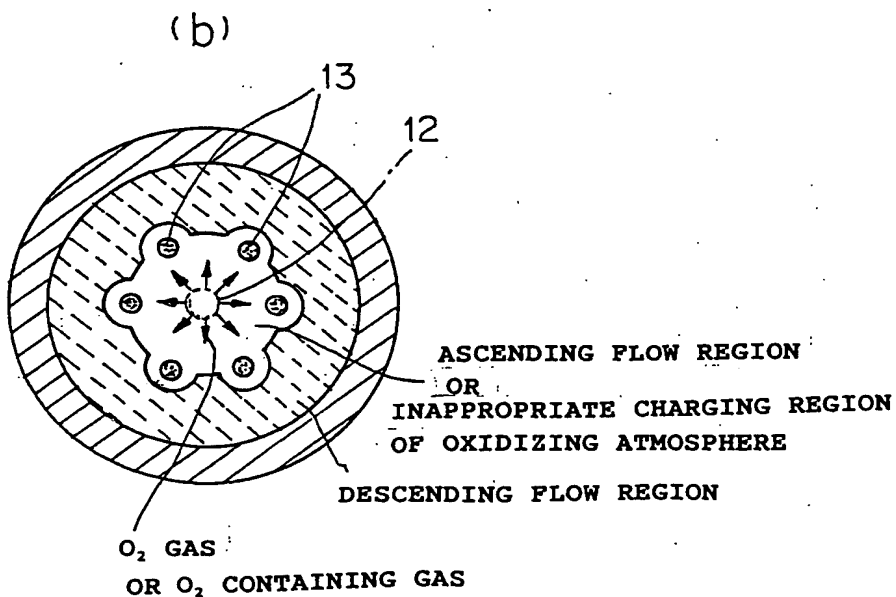
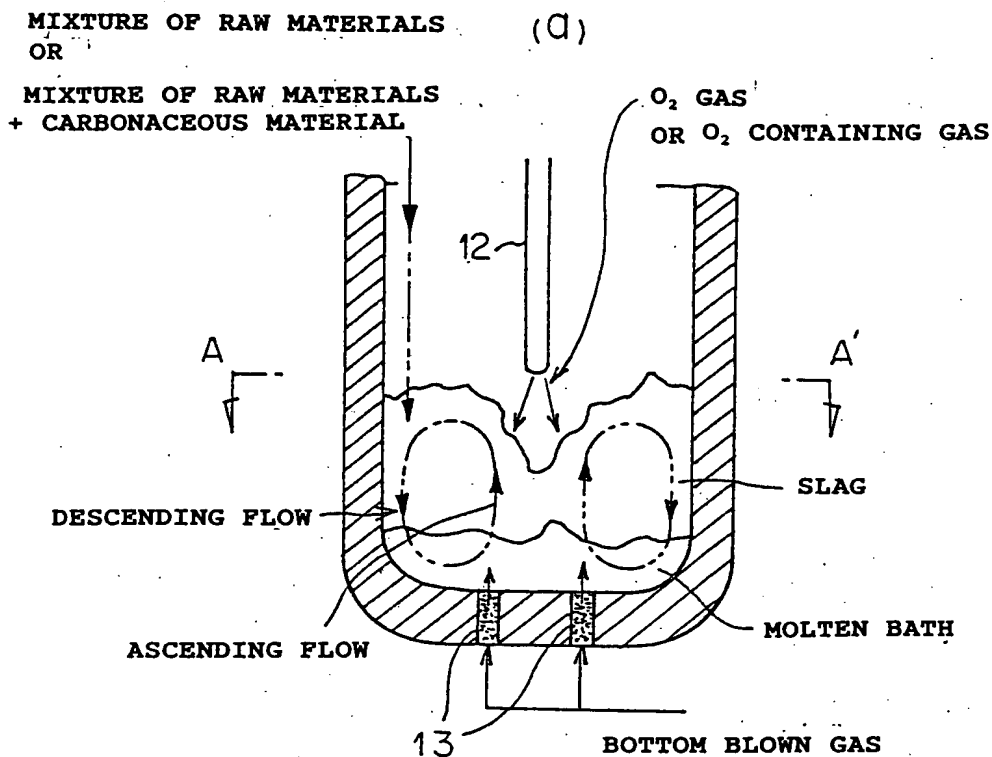
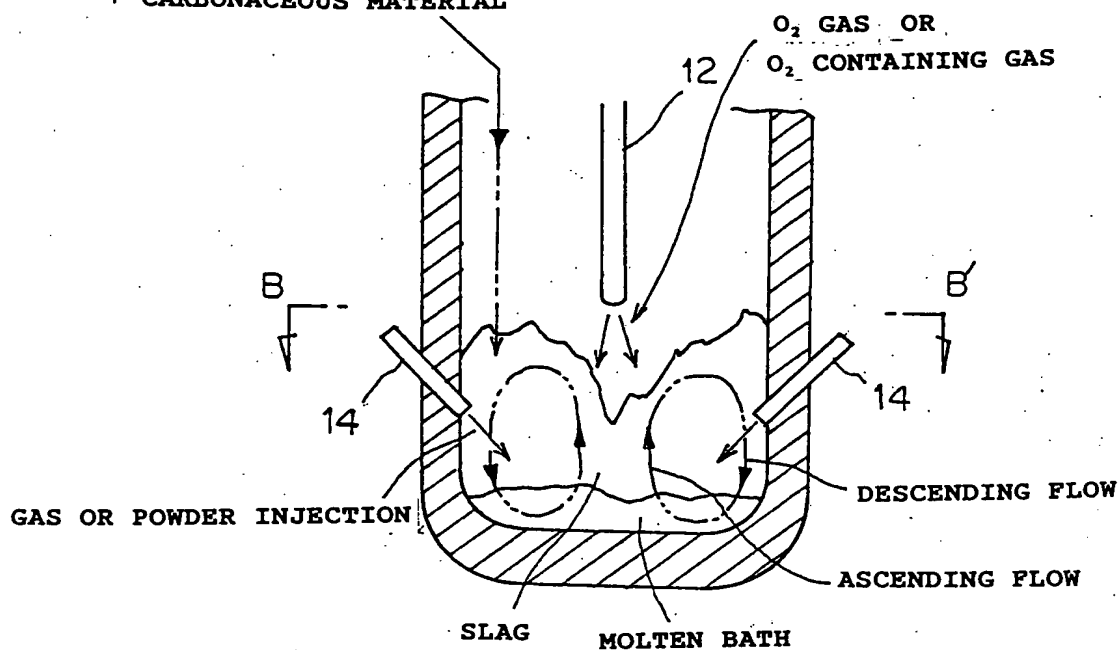


FIG. 14

MIXTURE OF RAW MATERIALS
OR
MIXTURE OF RAW MATERIALS
+ CARBONACEOUS MATERIAL

(a)



(b)

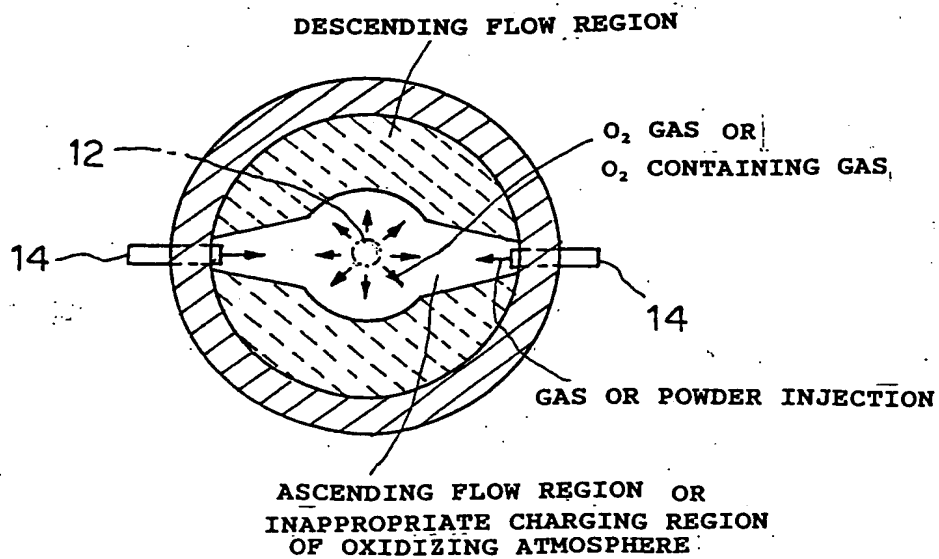


FIG. 15

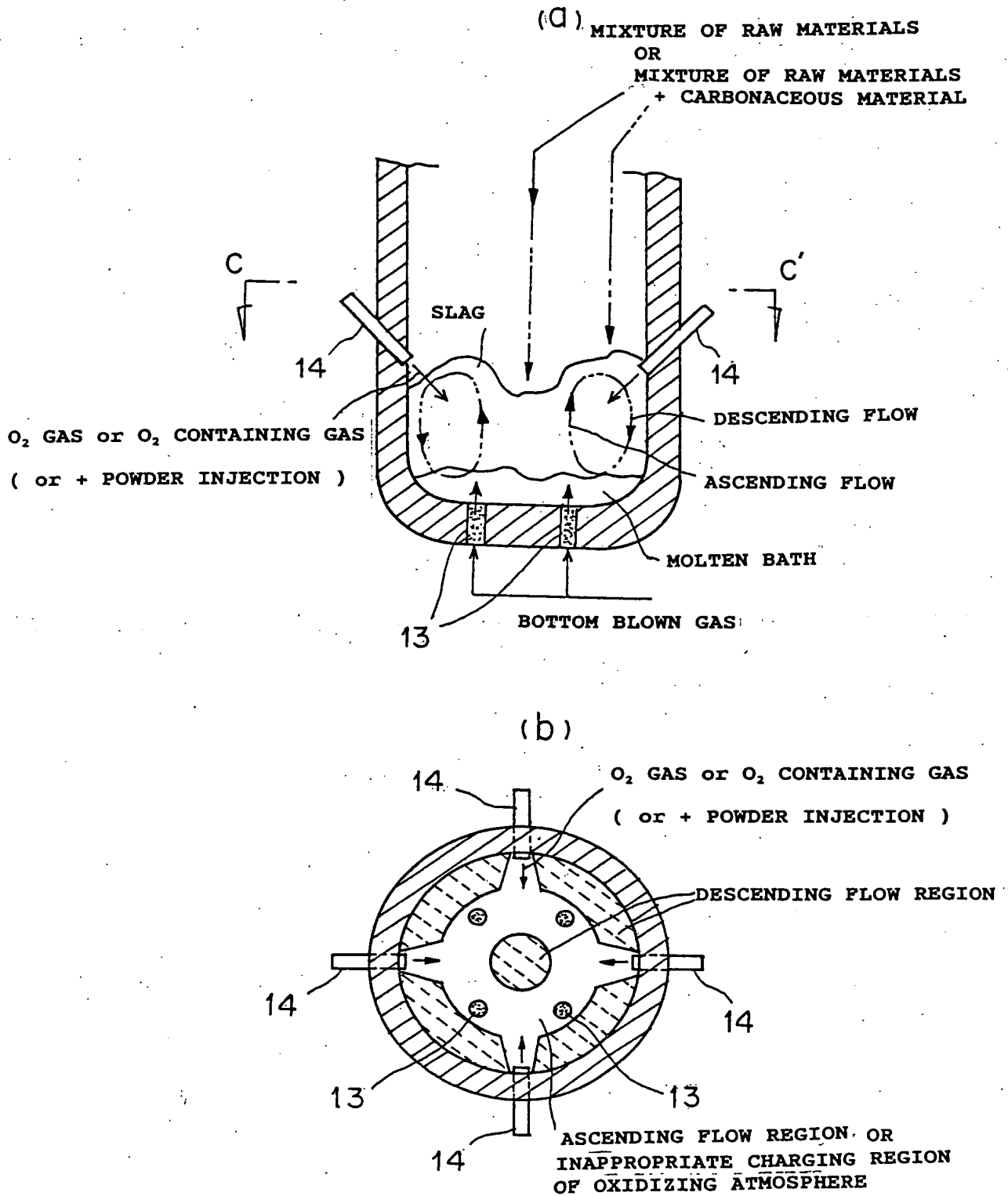


FIG. 11

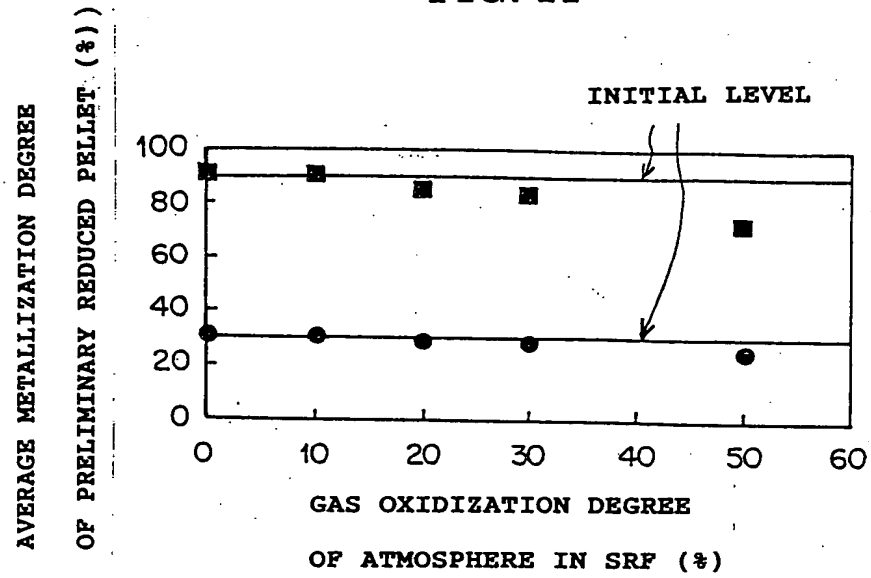
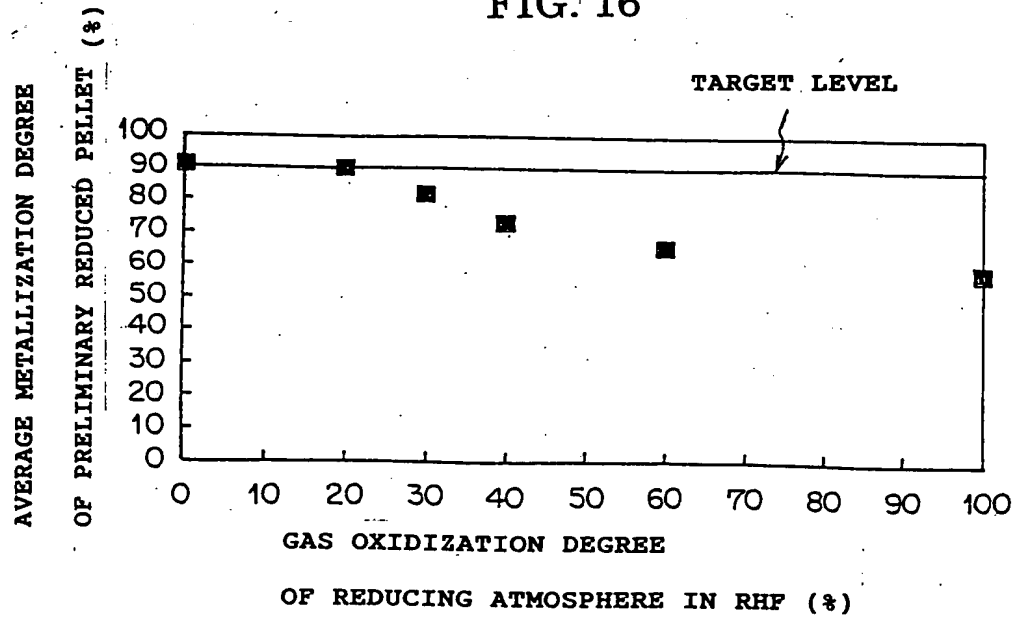


FIG. 16



The diagram illustrates a blast furnace gas recovery system. It shows the flow of materials from raw inputs (ore fines, coal, oxygen gas) through various processing stages (crushing, mixing, pelletizing, reheating, and final reduction) to produce molten iron and recover surplus gas. Key components include a crusher (15), mixer (19), pelletizer (17), reheating furnace (RHF, 18), and sintering furnace (SRF, 20). The system also includes a heater (21) and various gas streams (O2 containing, fuel, flue, recovered, surplus).

[O₂ CONTAINING] — 34
GAS

FIG. 18

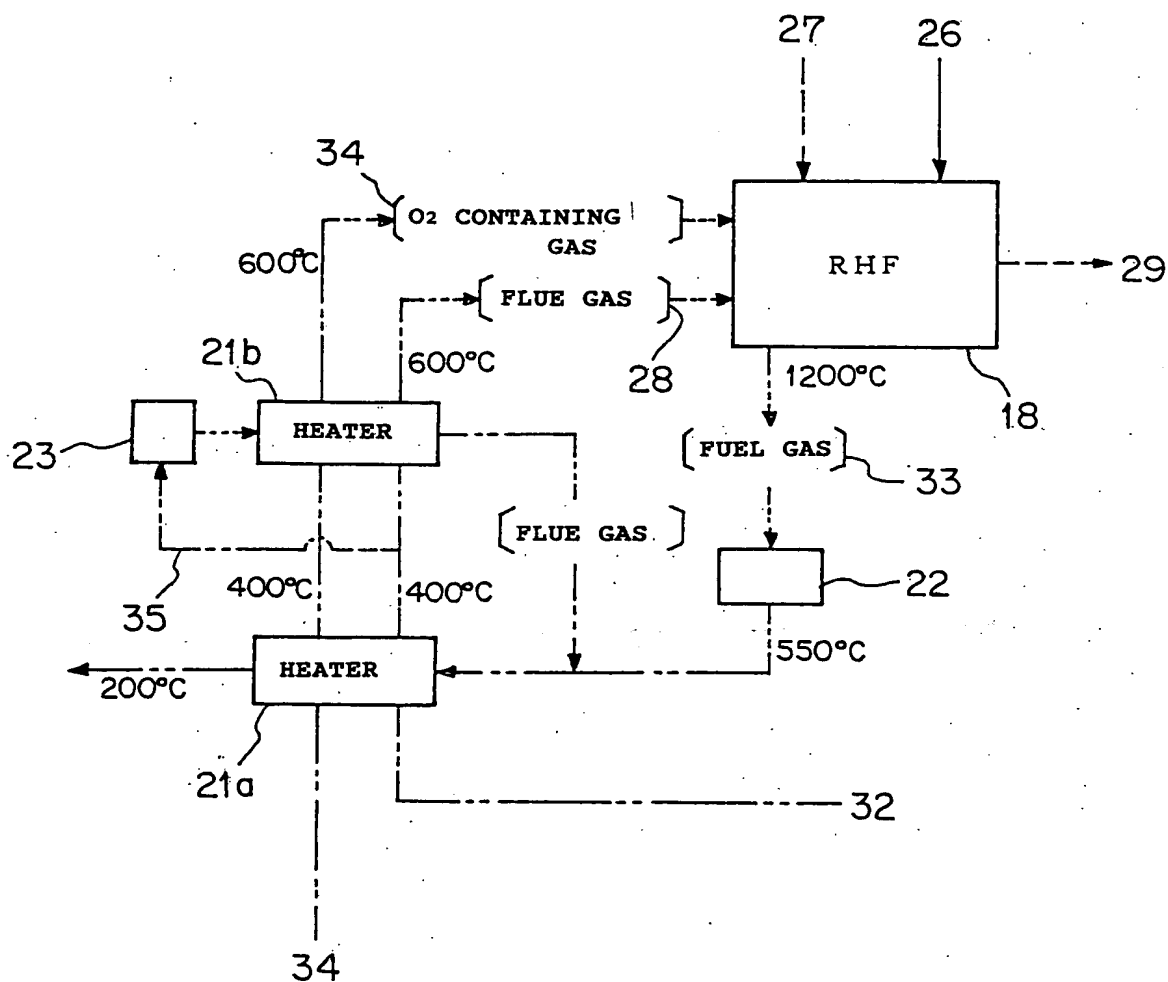


FIG. 19

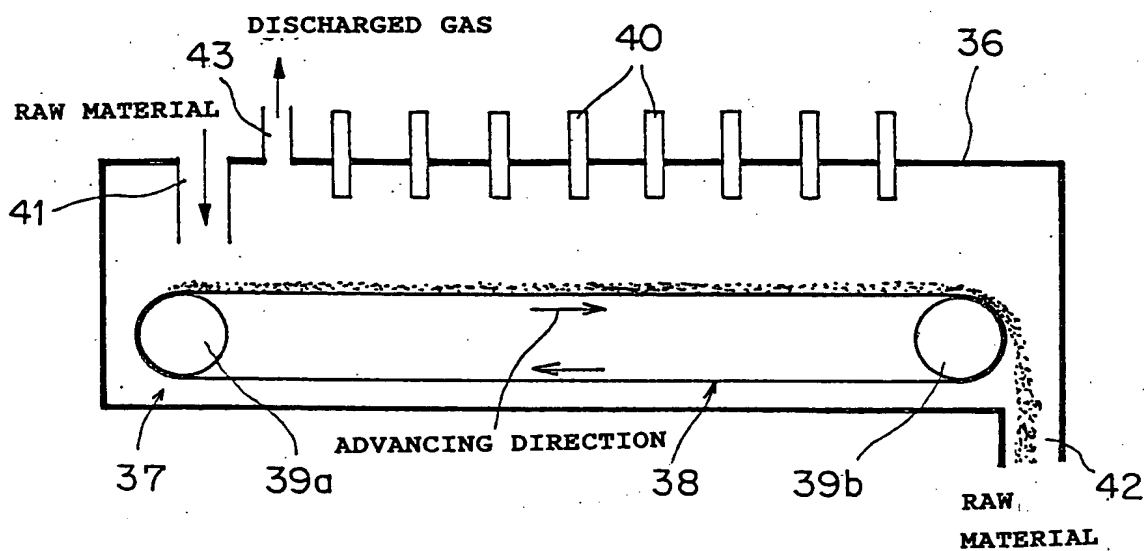


FIG. 20

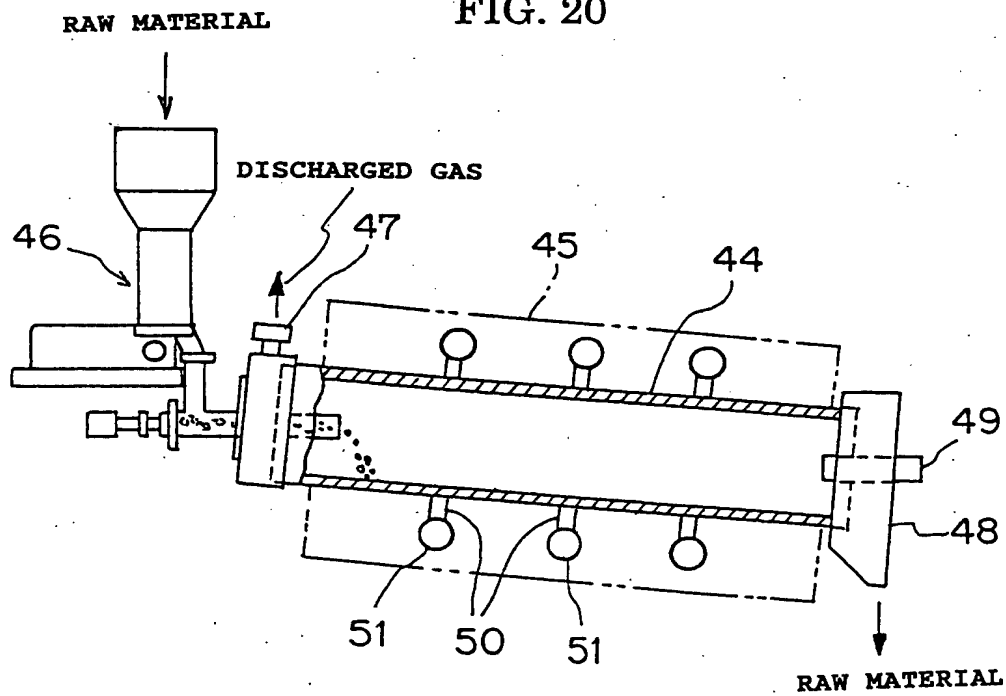
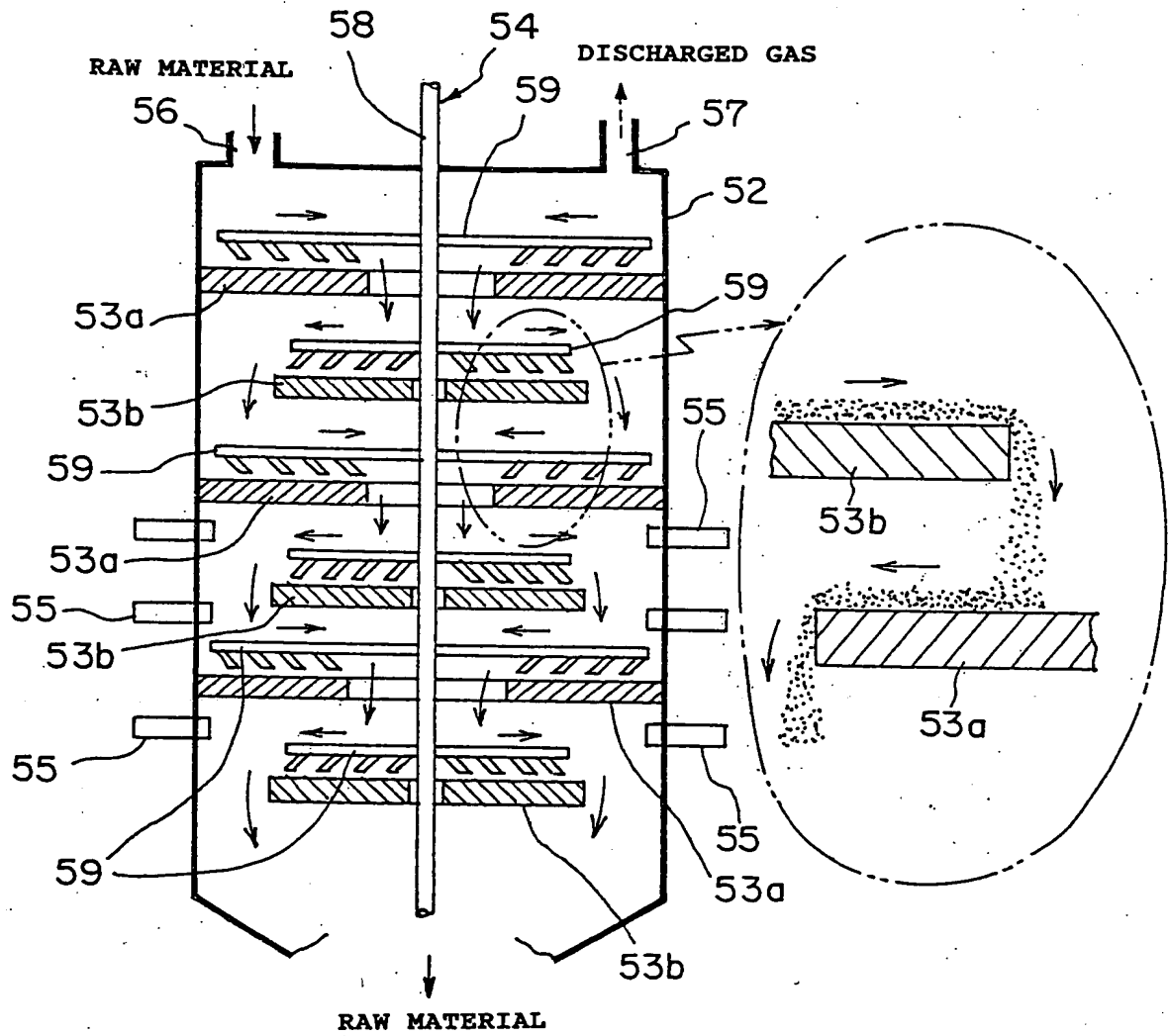
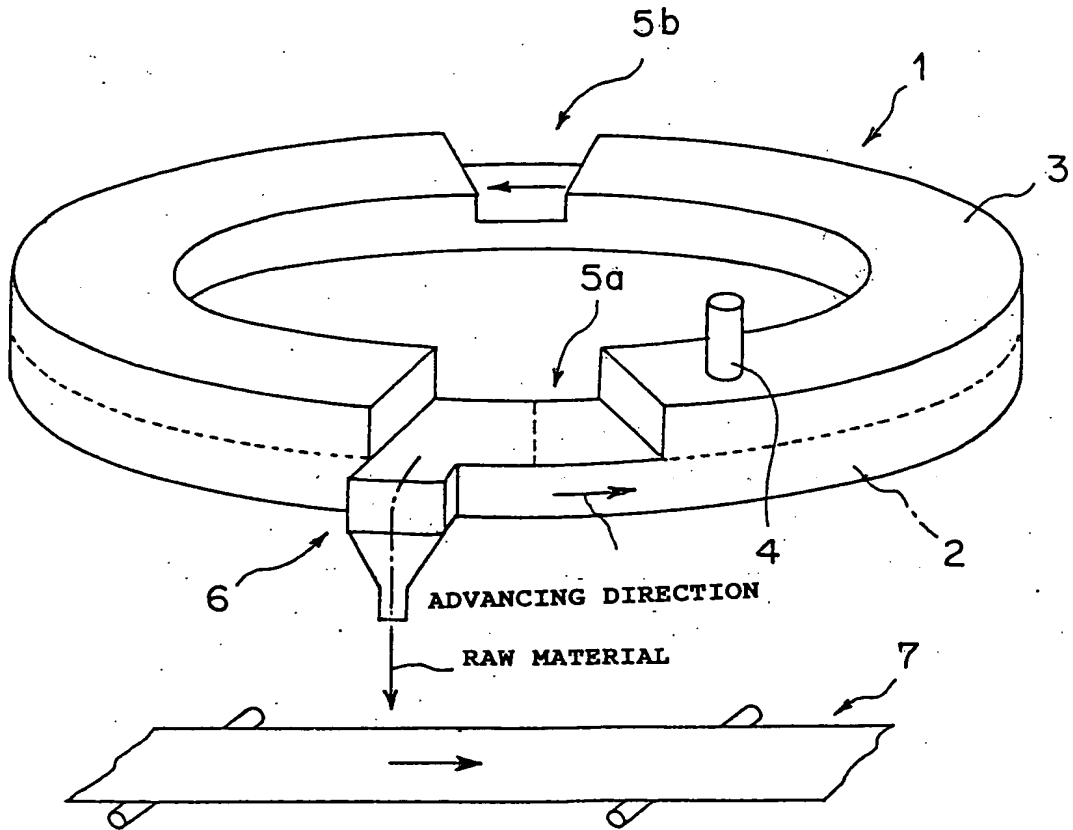


FIG. 21



208220 26258001

FIG. 22



208220-46458001

FIG. 23

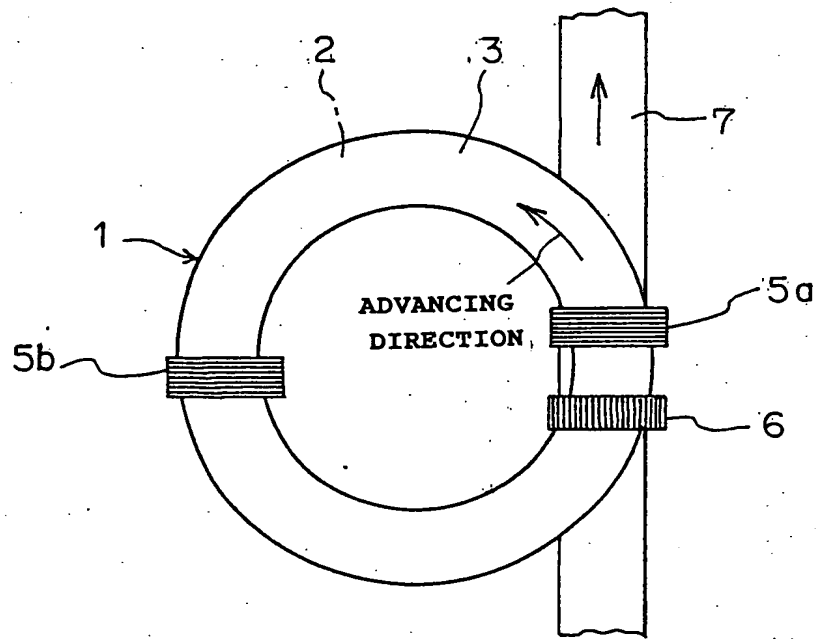
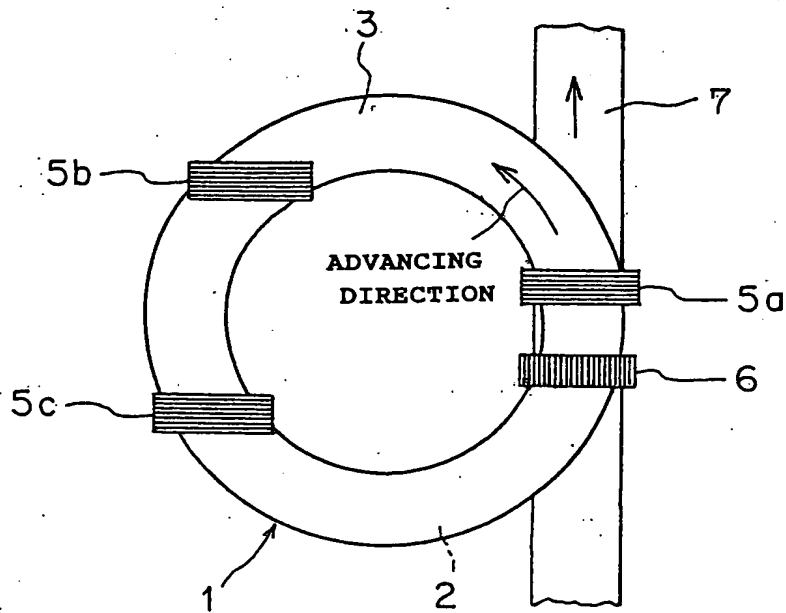


FIG. 24



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FIG. 25

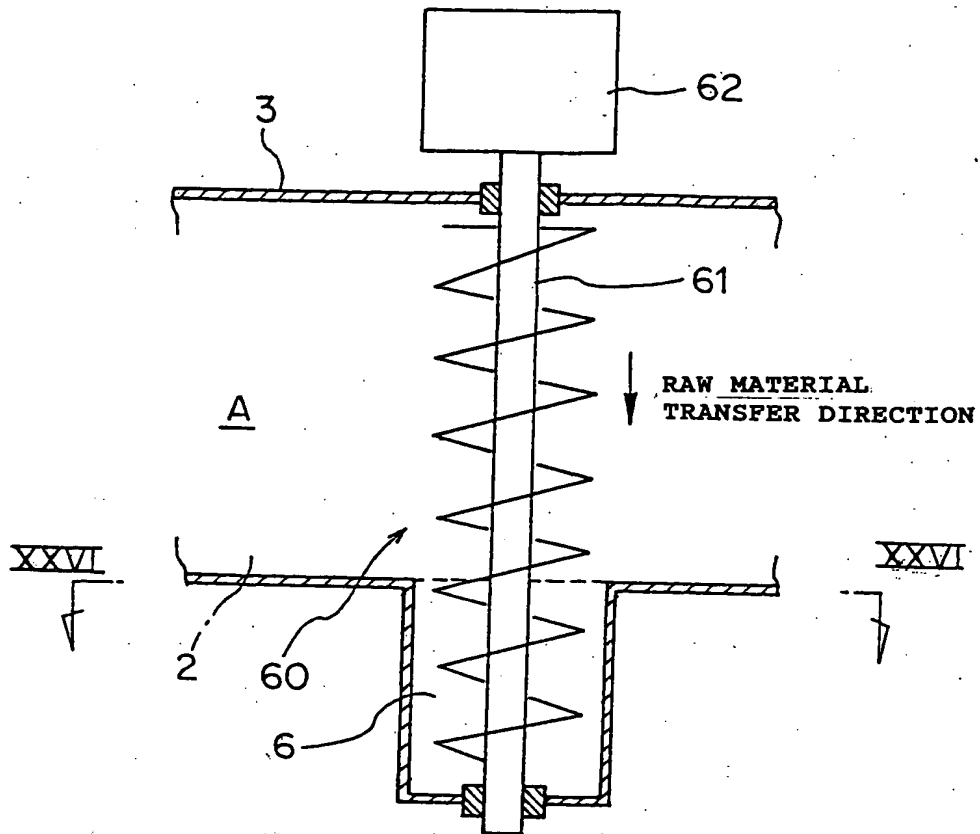


FIG. 26

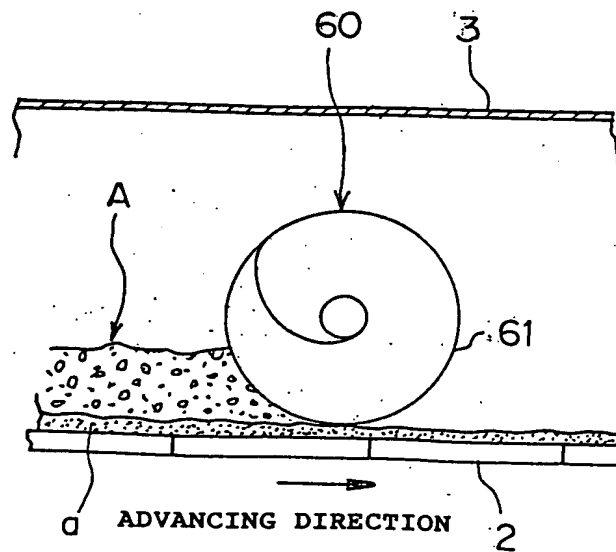


FIG. 27

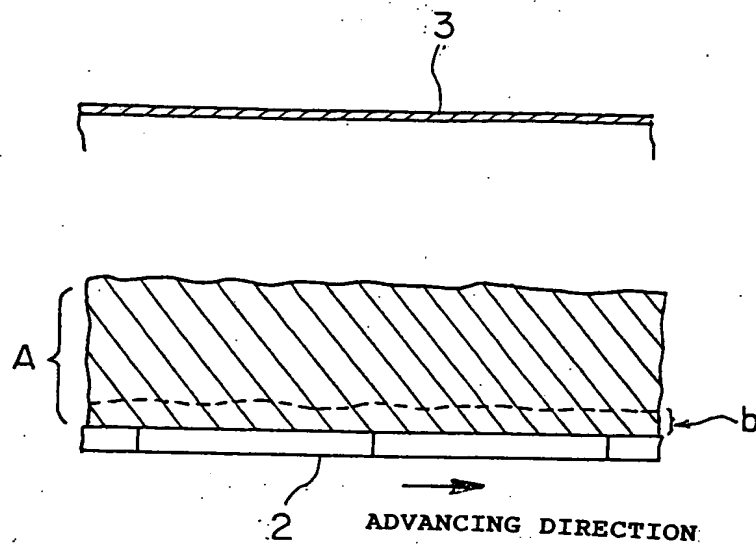


FIG. 28

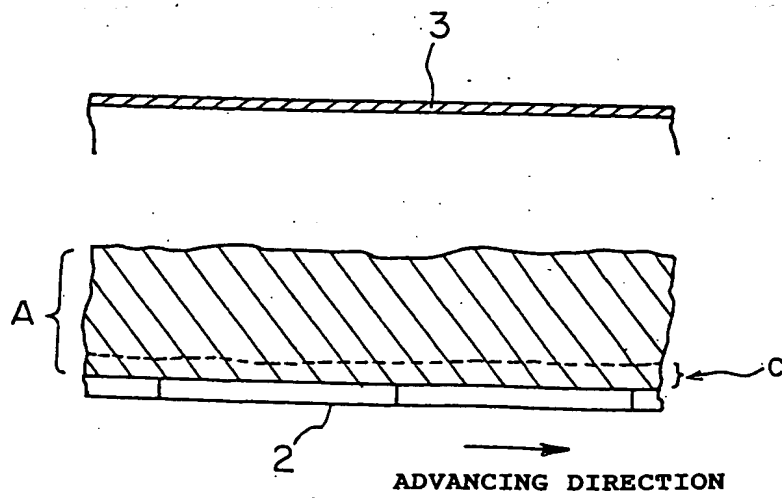


FIG. 29

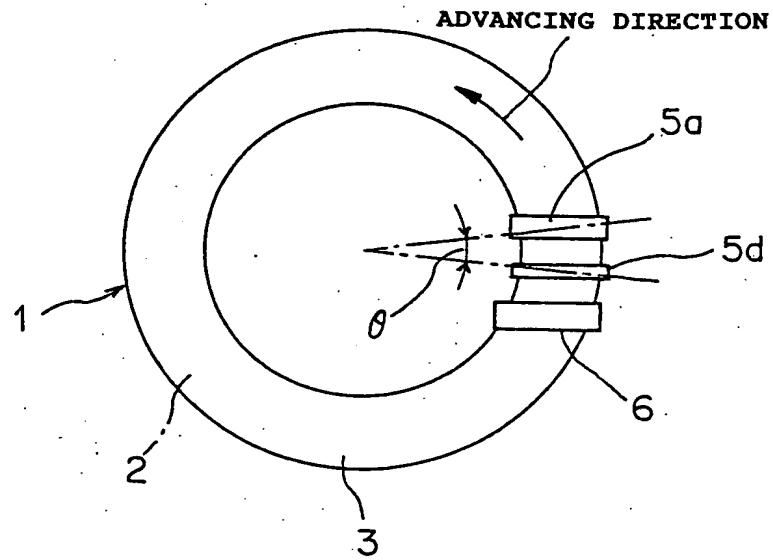


FIG. 30

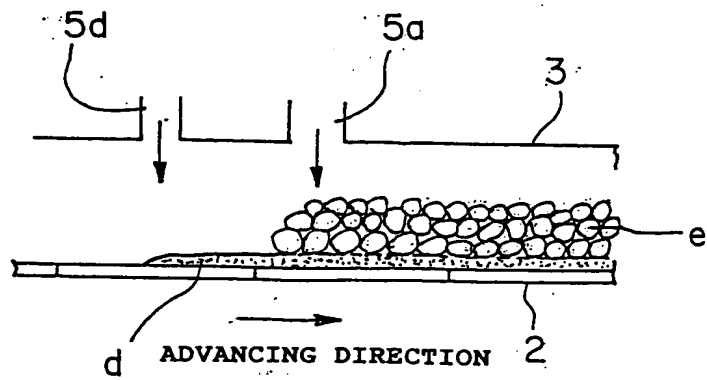


FIG. 31

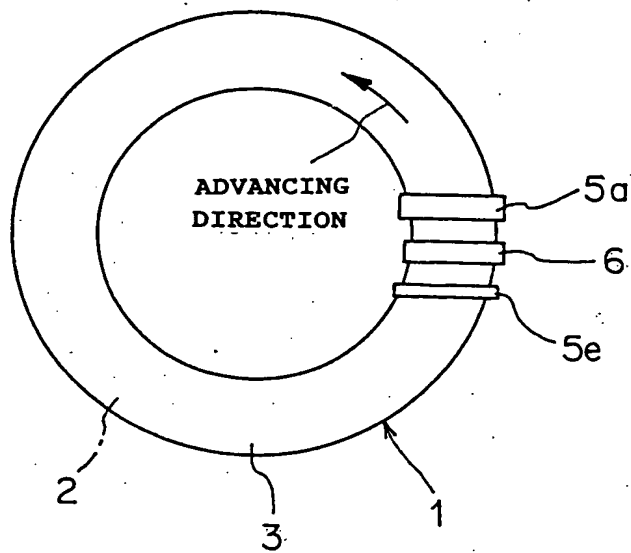
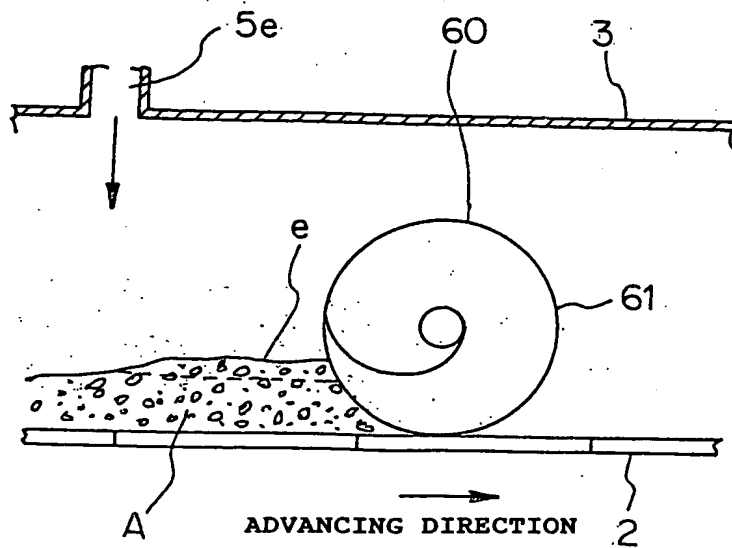


FIG. 32



203220-6658007

FIG. 33

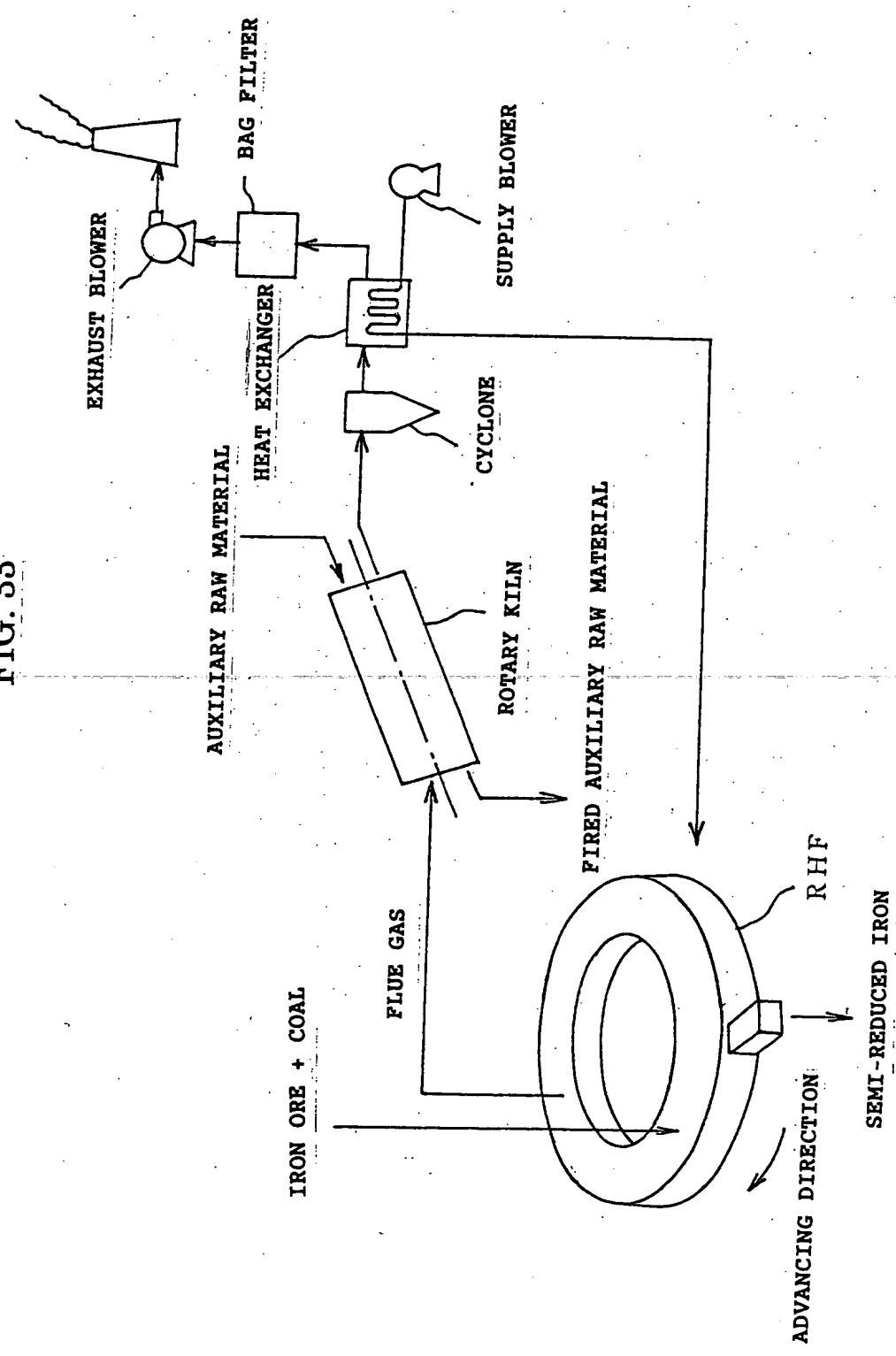


FIG. 34

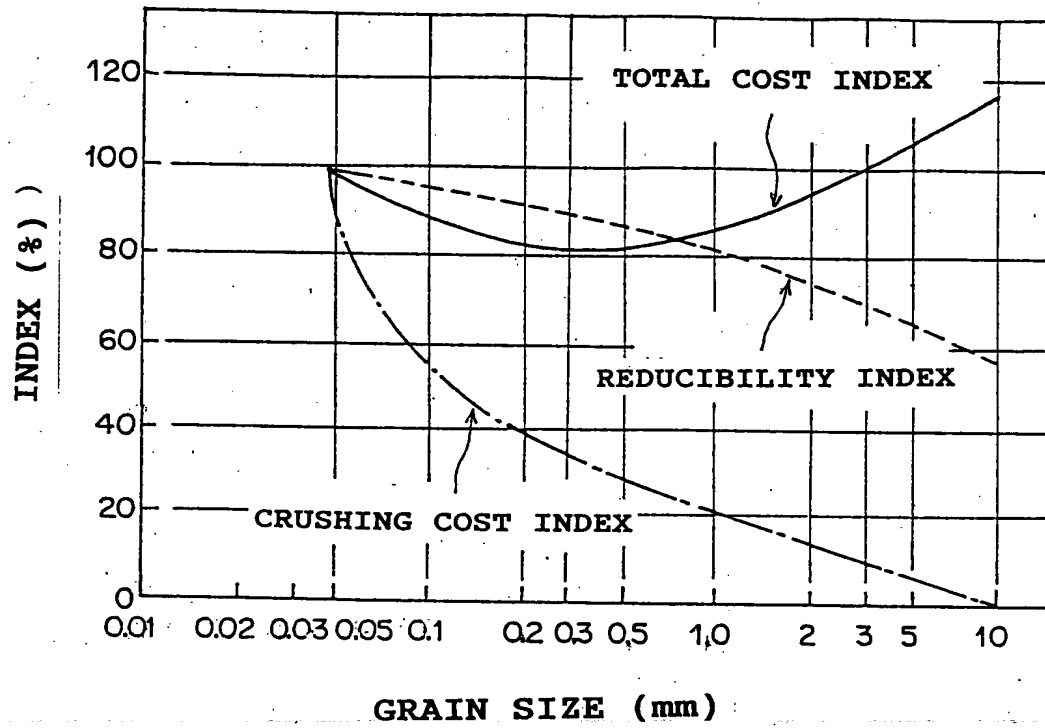


FIG. 37

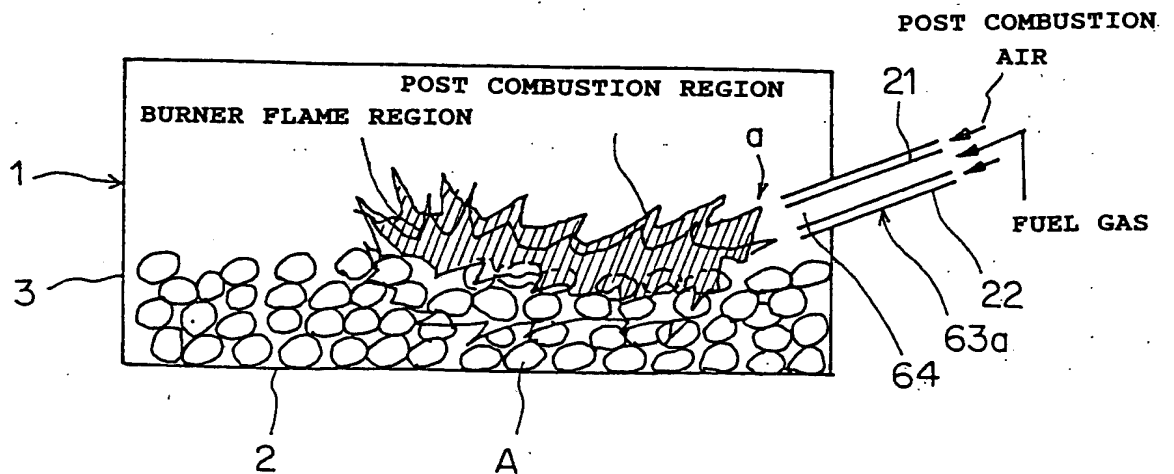
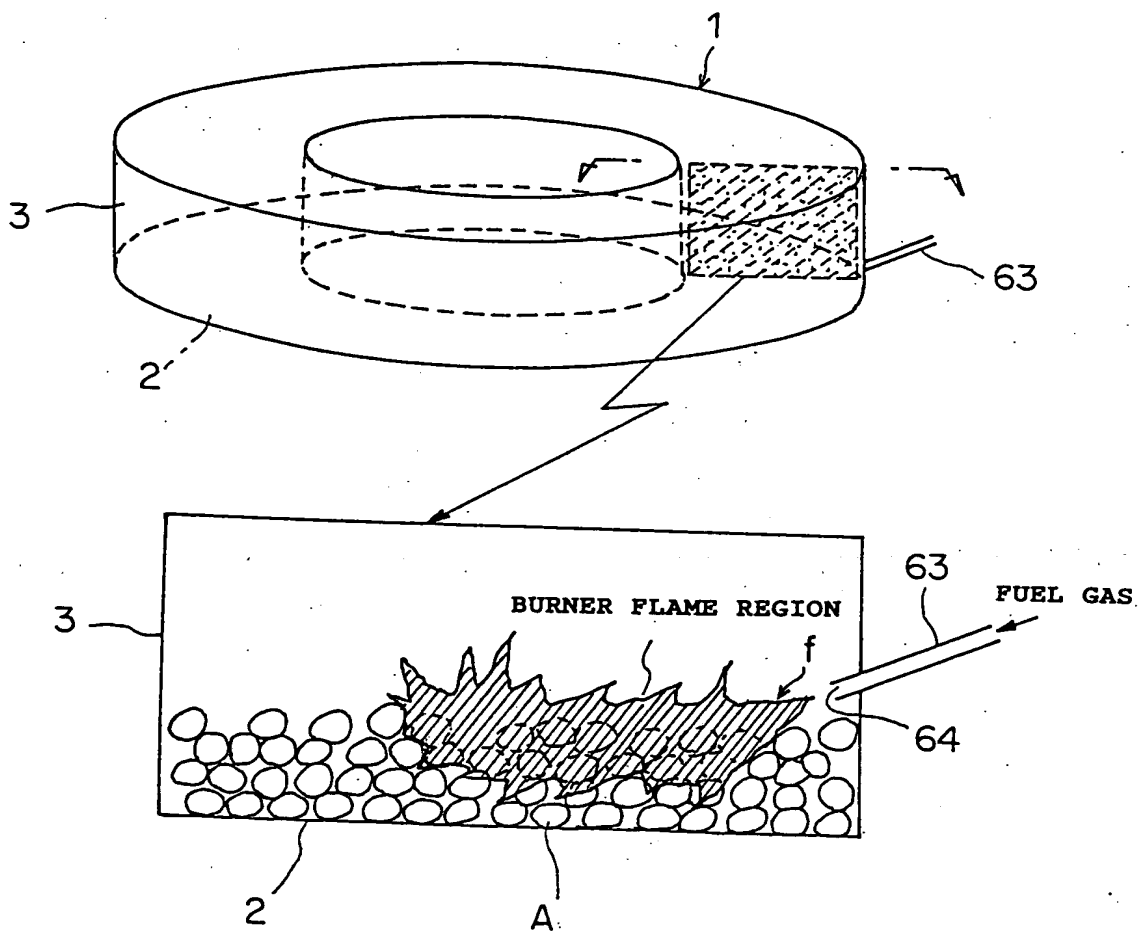


FIG. 35



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FIG. 36

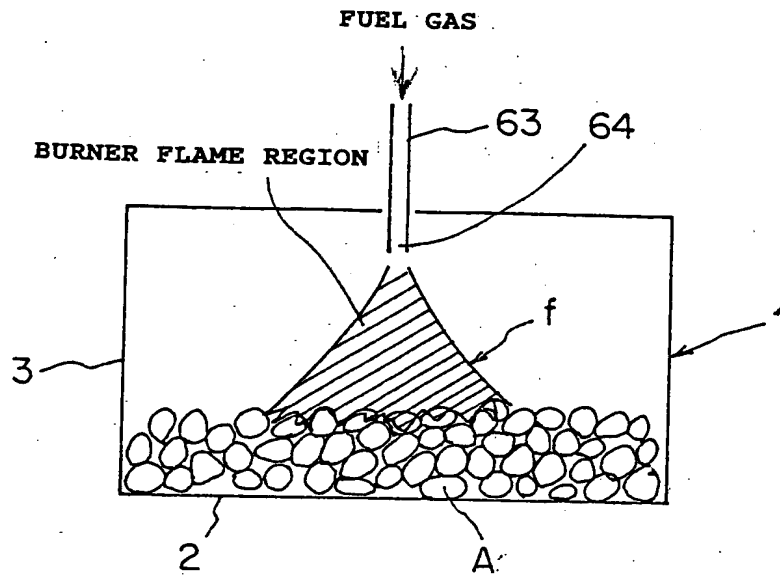
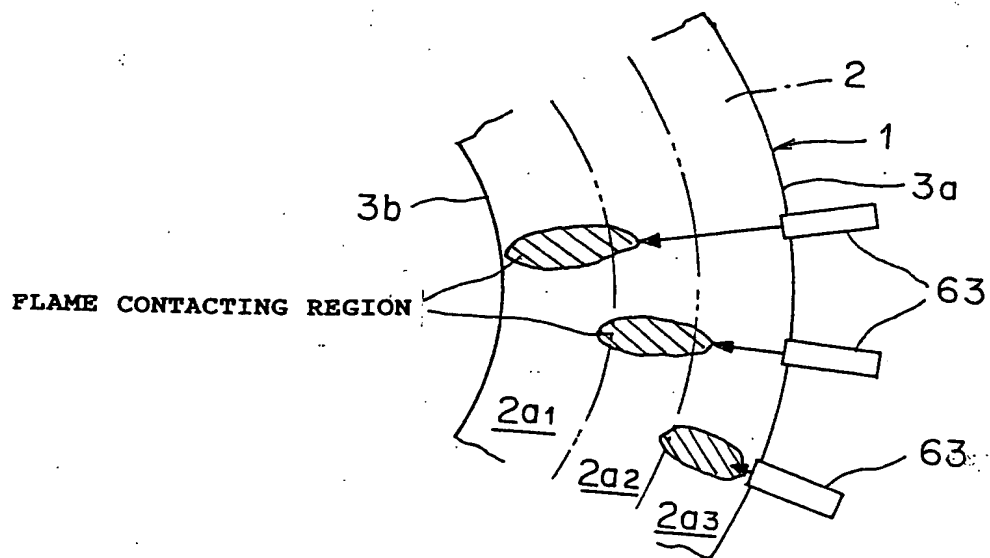


FIG. 38



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FIG. 39

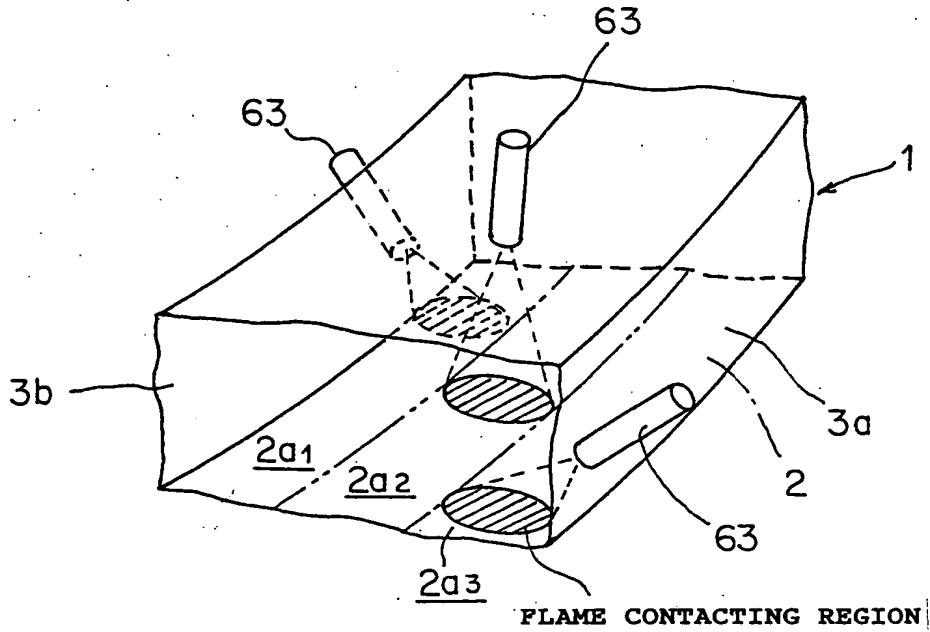


FIG. 44

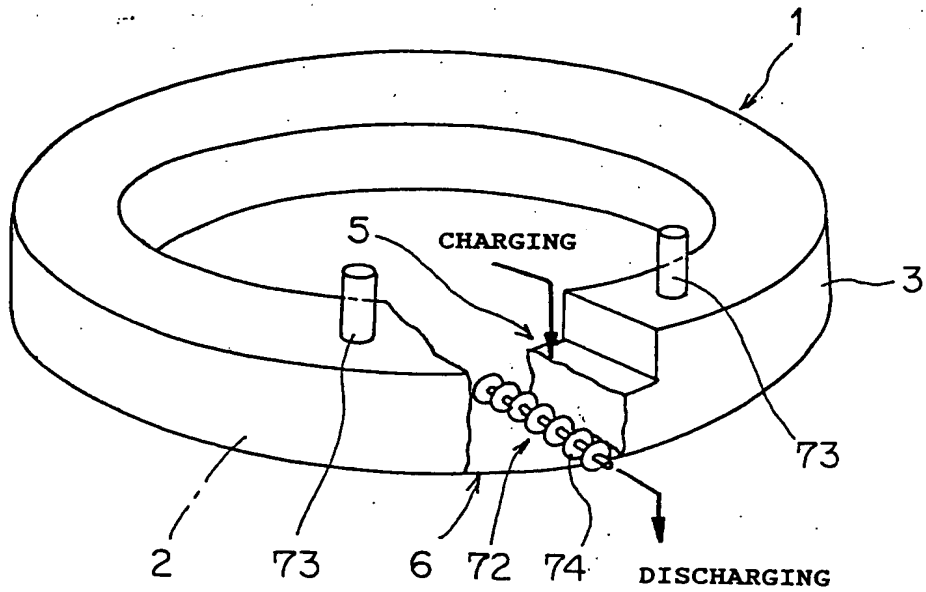


FIG. 40

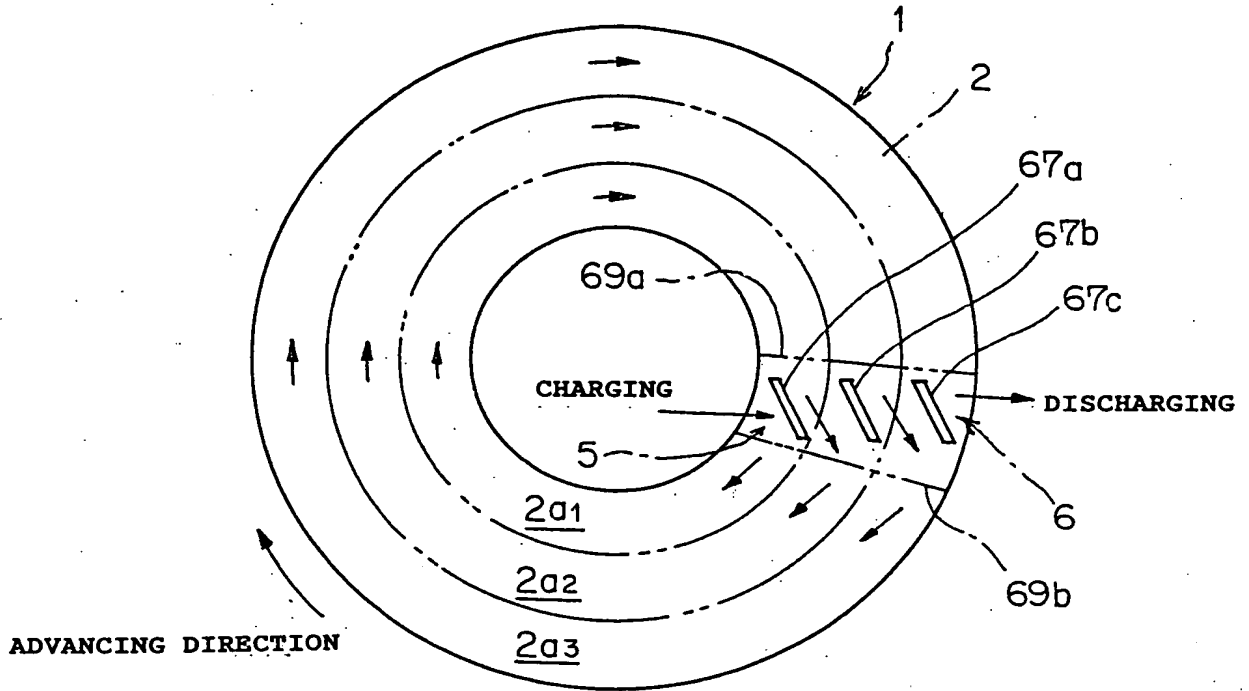
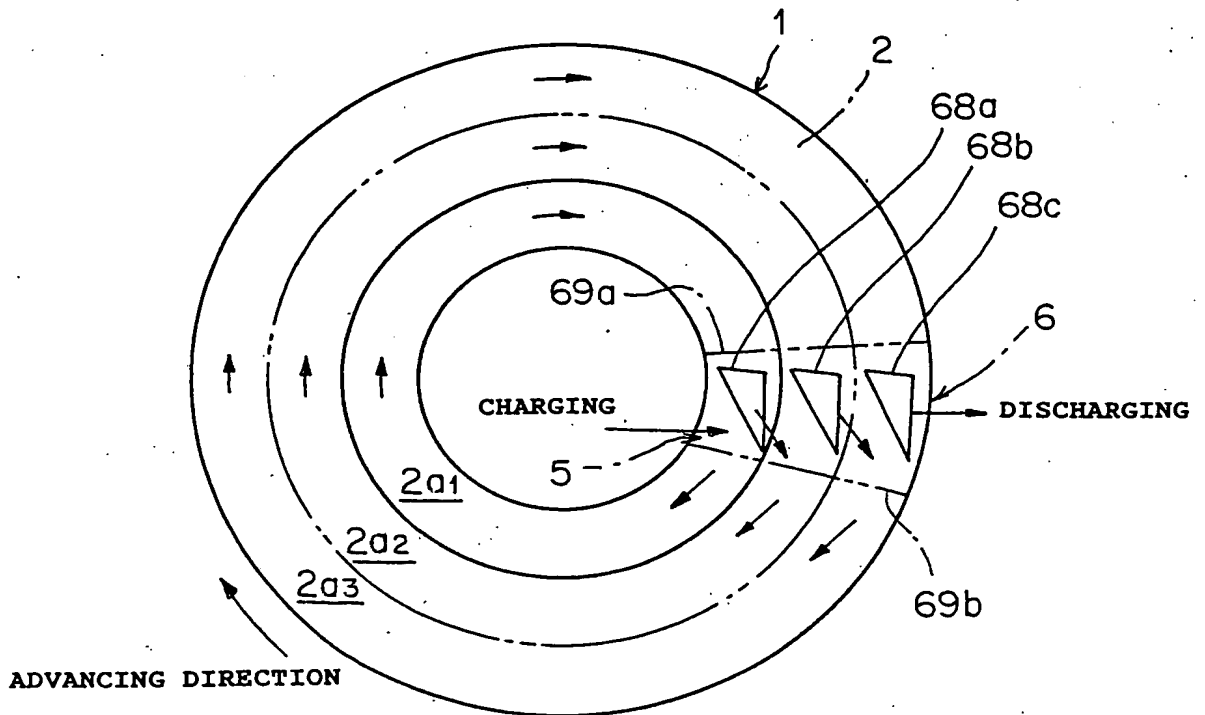


FIG. 41



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FIG. 42

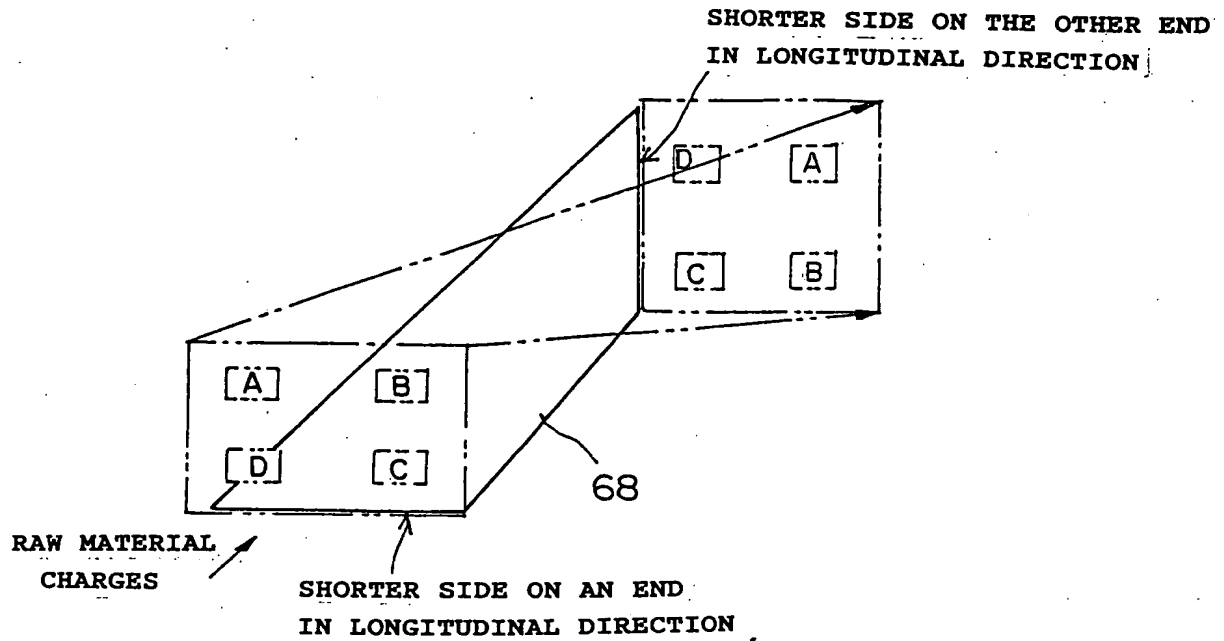
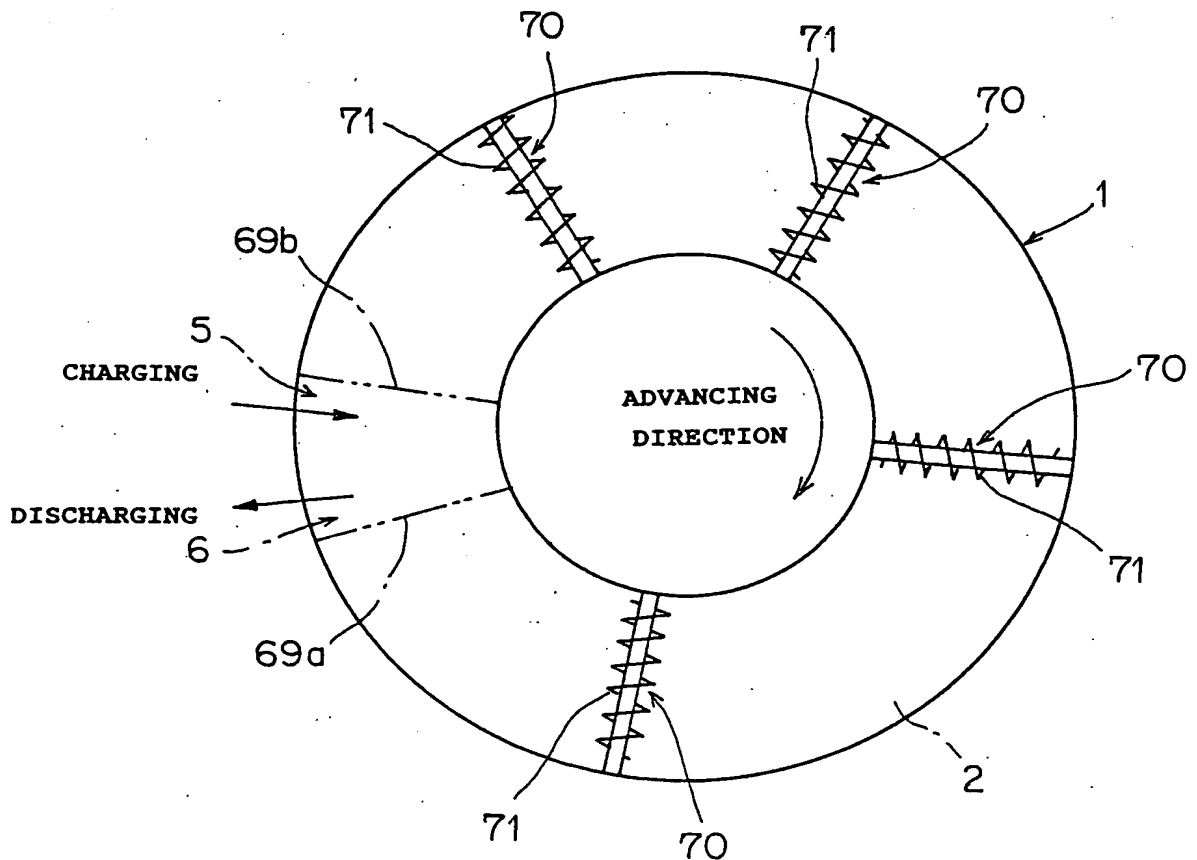


FIG. 43



208220-2625801

FIG. 45

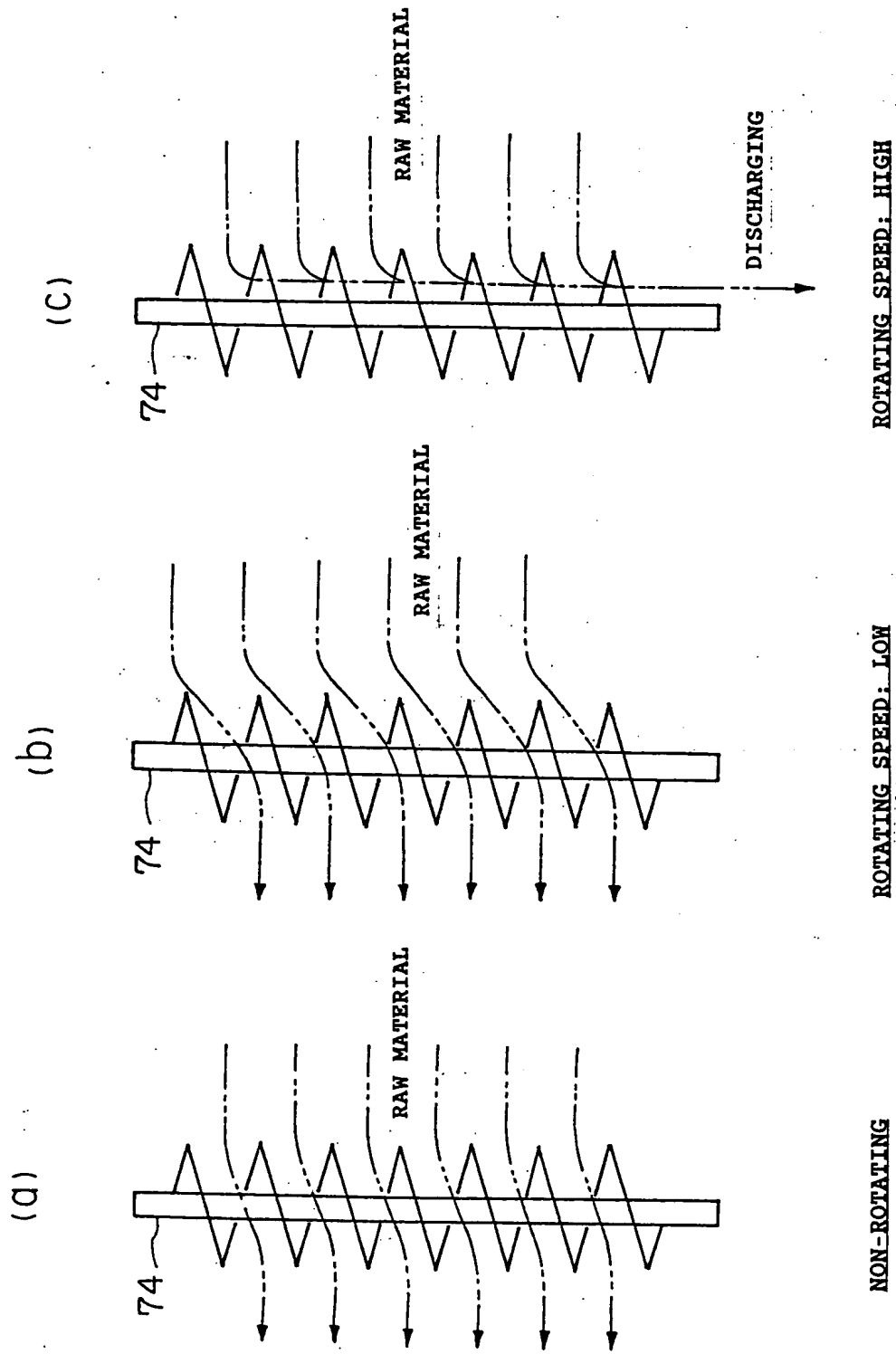


FIG. 46

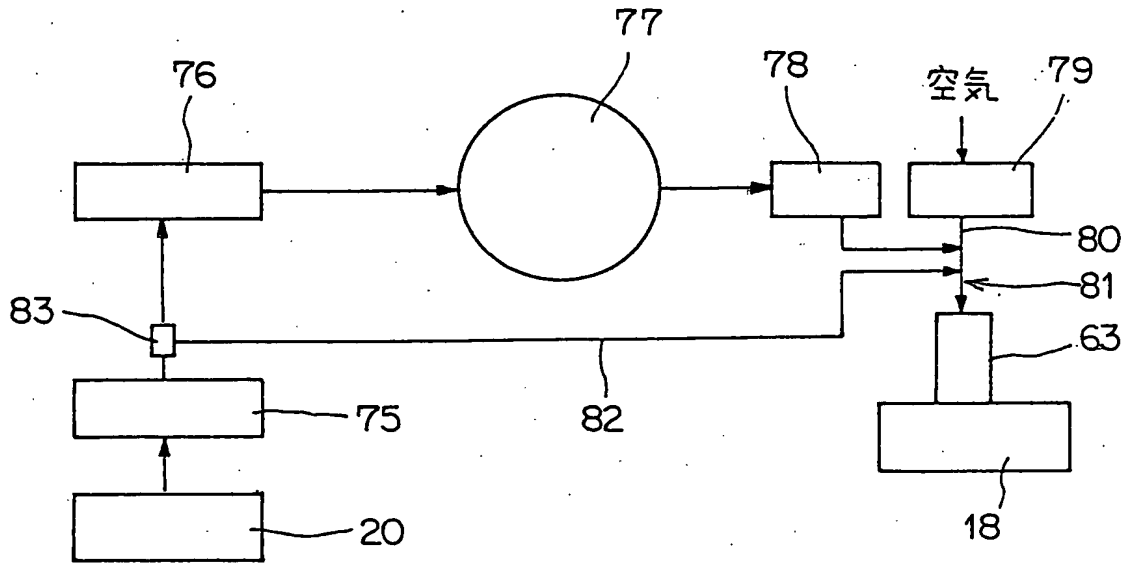


FIG. 48

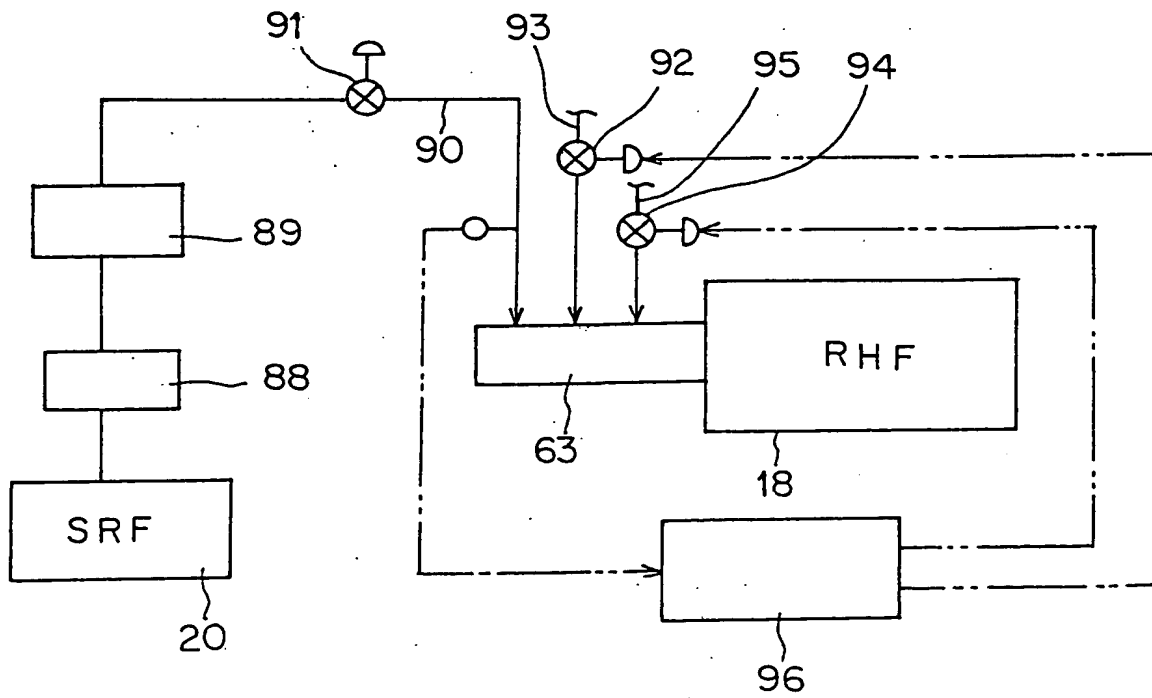


FIG. 47

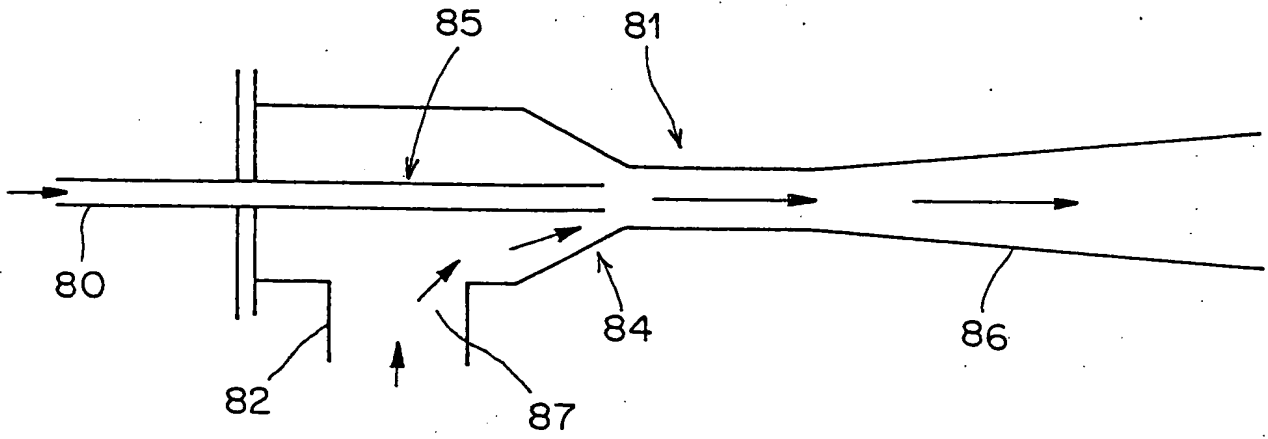
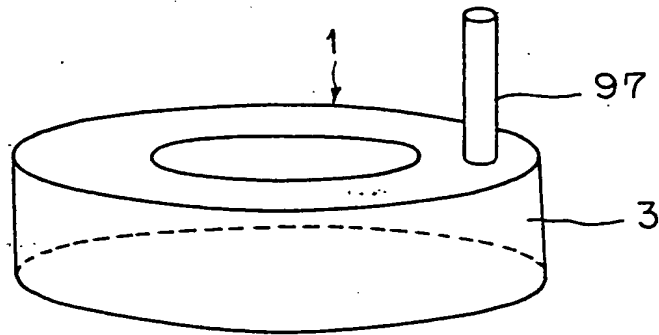


FIG. 54



20250220-16258001

FIG. 49

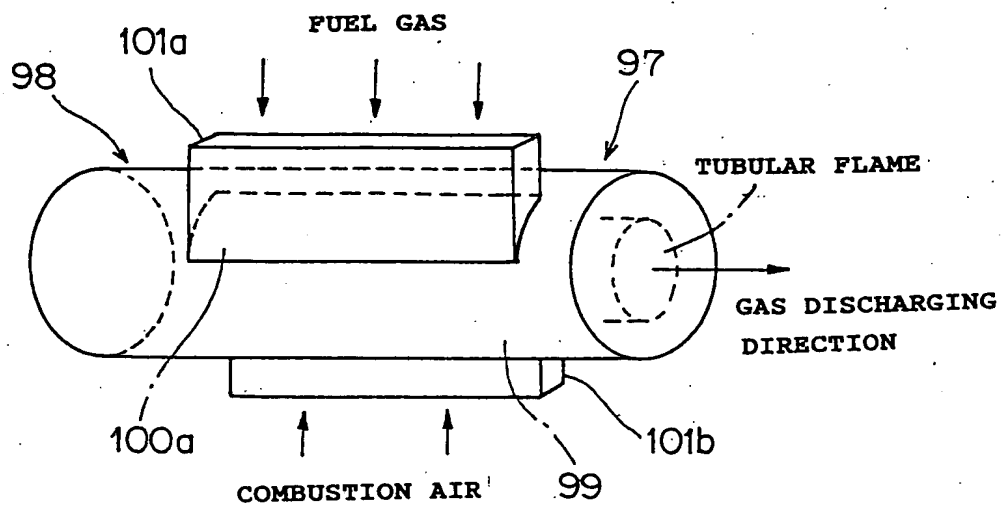


FIG. 50

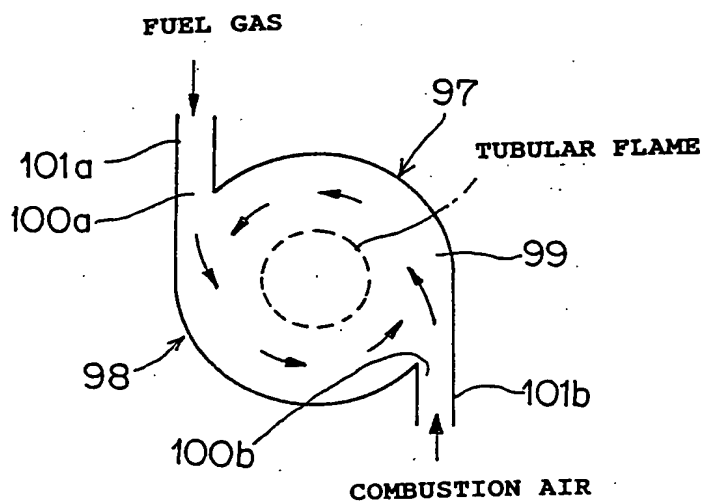


FIG. 51

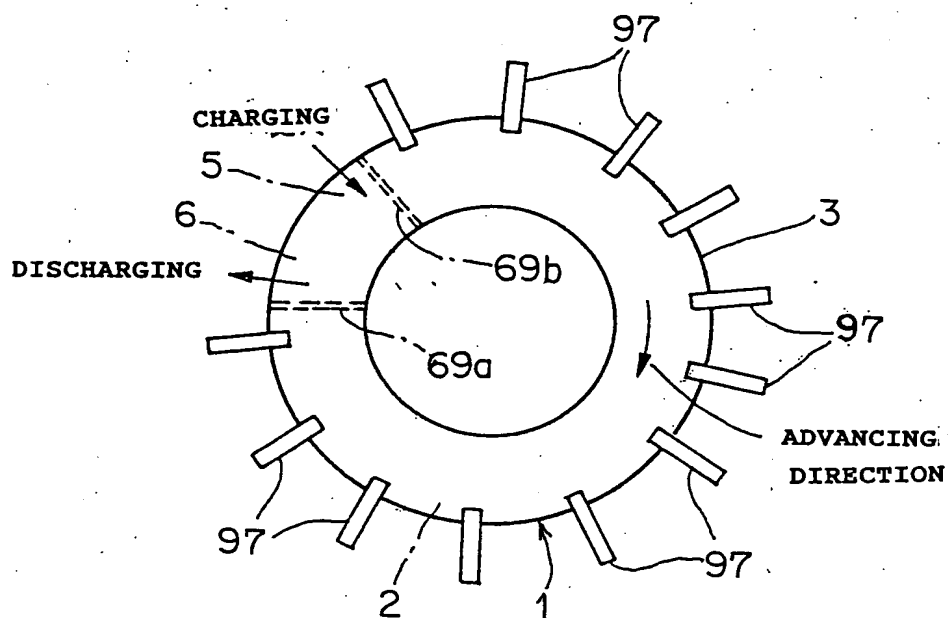


FIG. 52

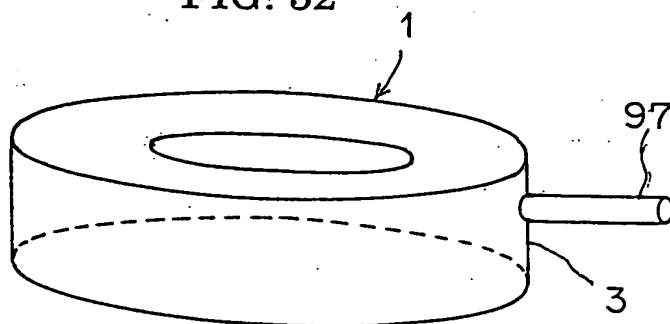


FIG. 53

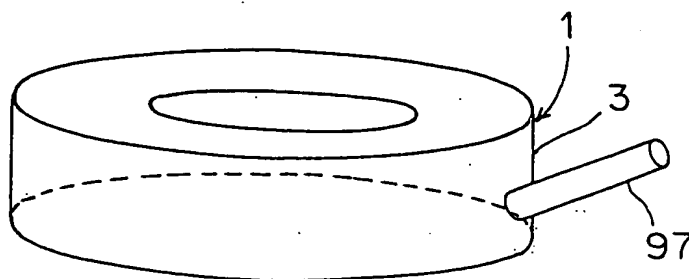


FIG. 55

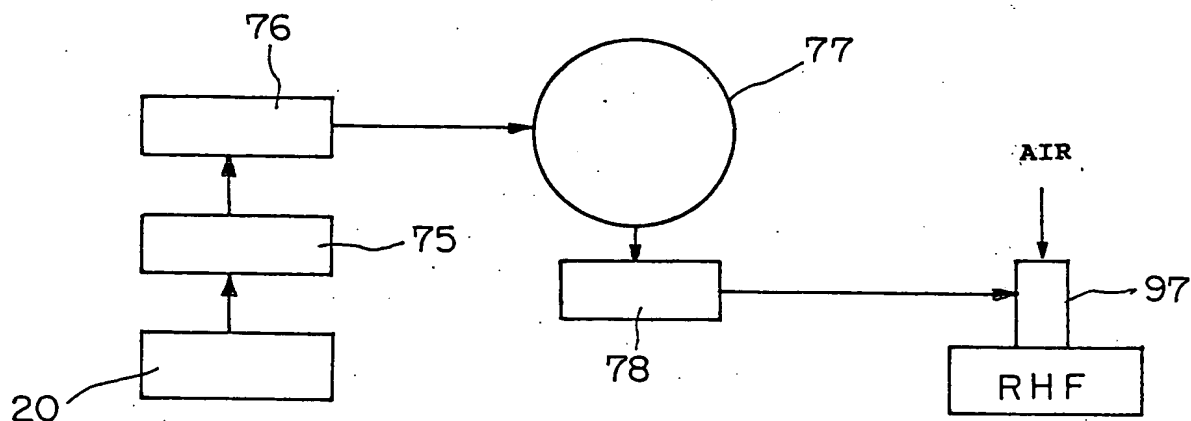


FIG. 62

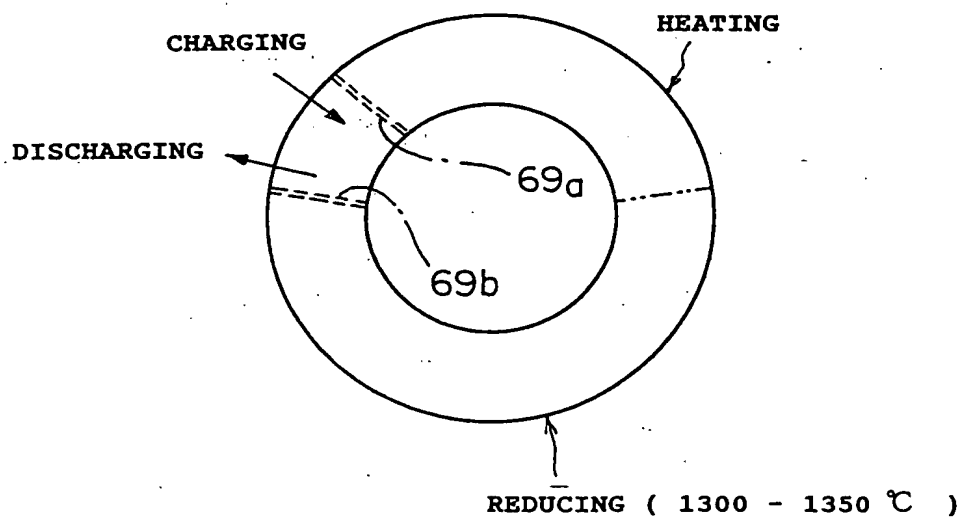


FIG. 56

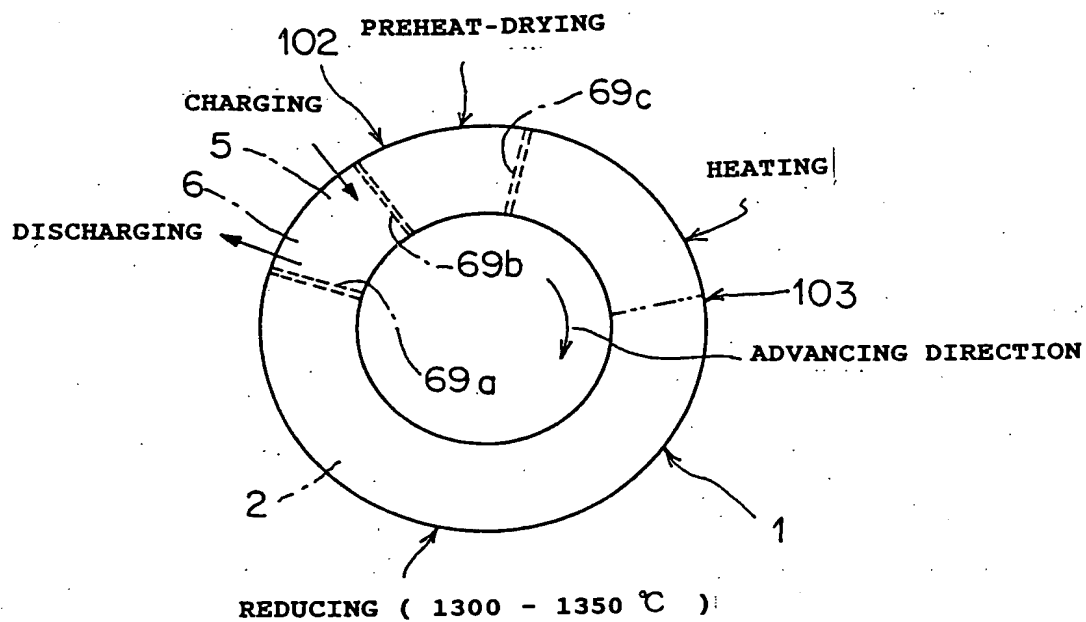


FIG. 57

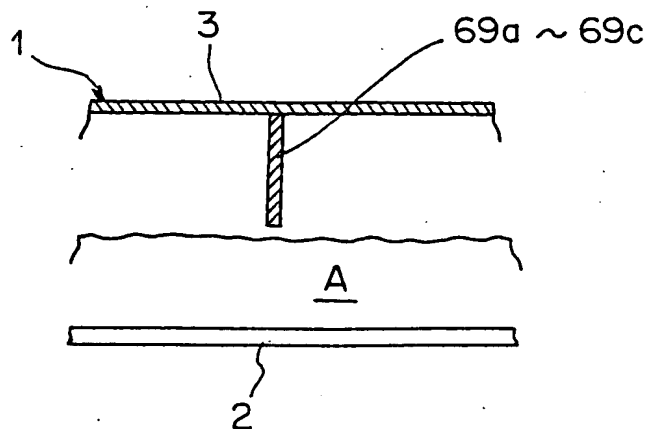


FIG. 58

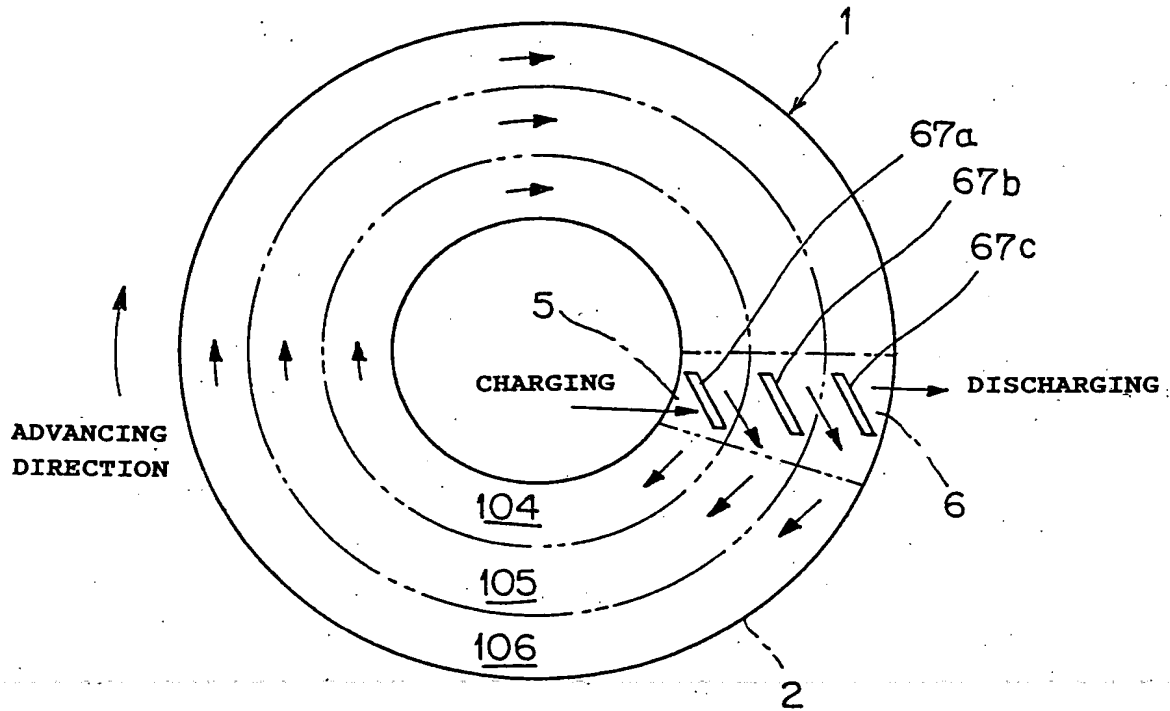


FIG. 59

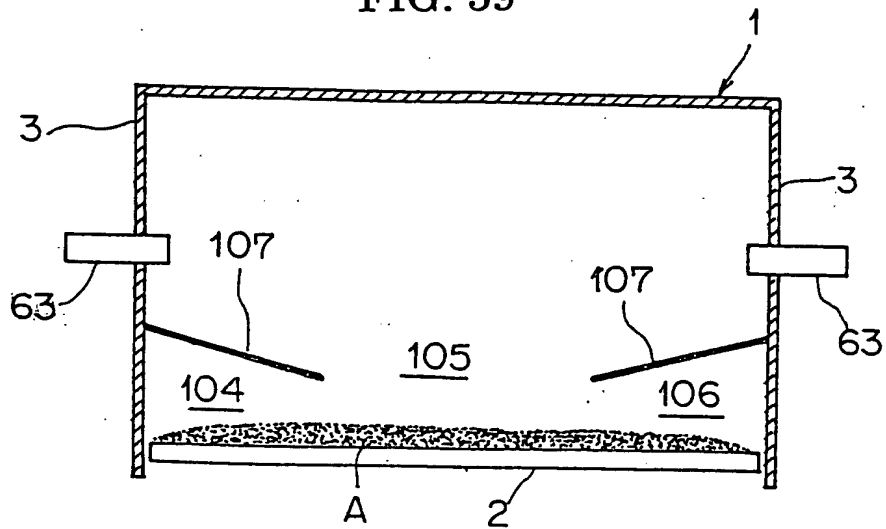


FIG. 60

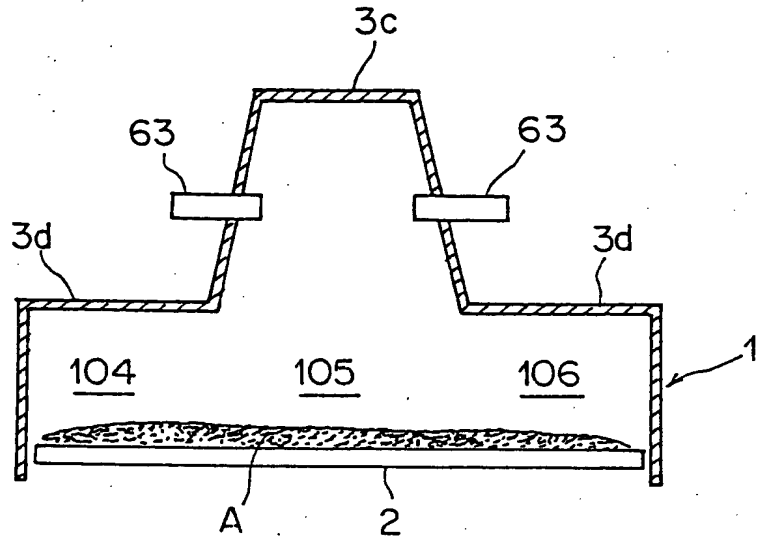


FIG. 61

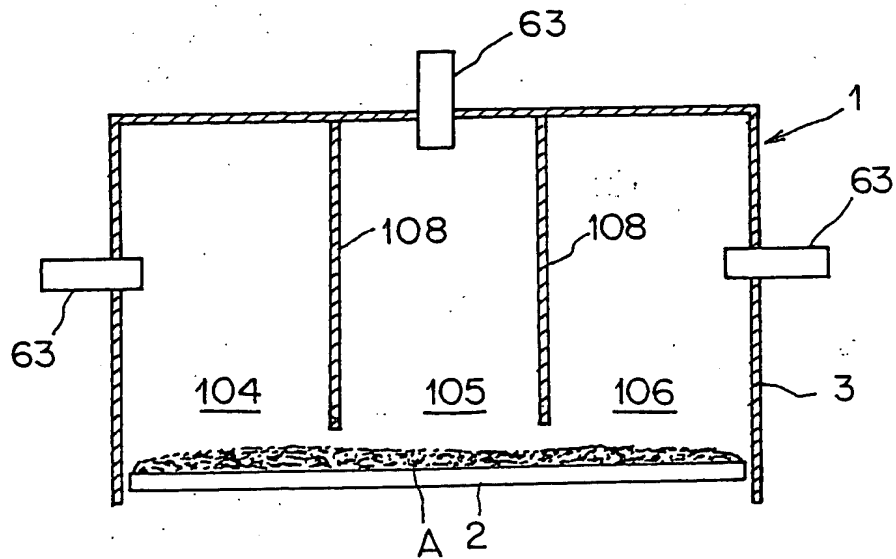


FIG. 63

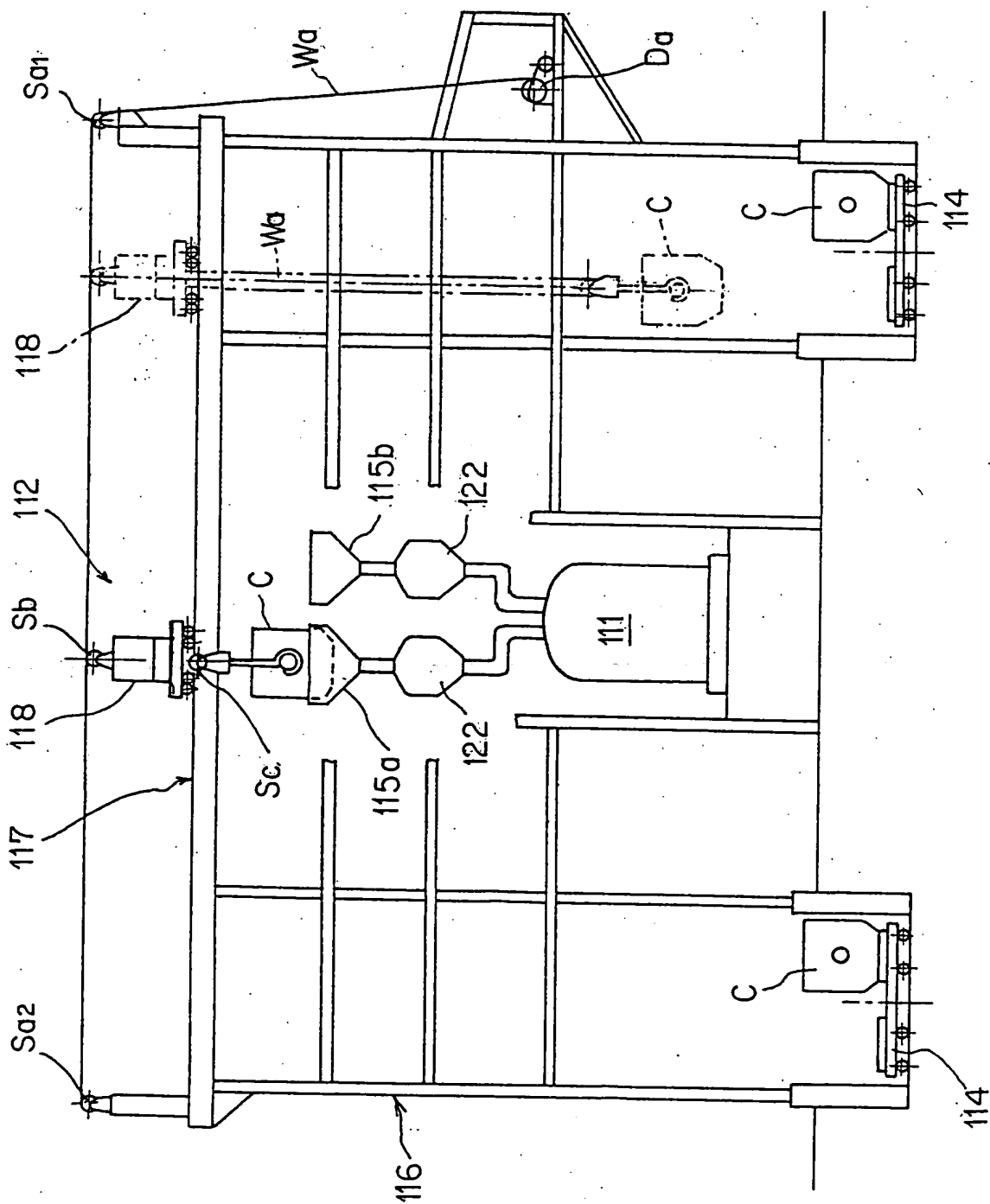


FIG. 64

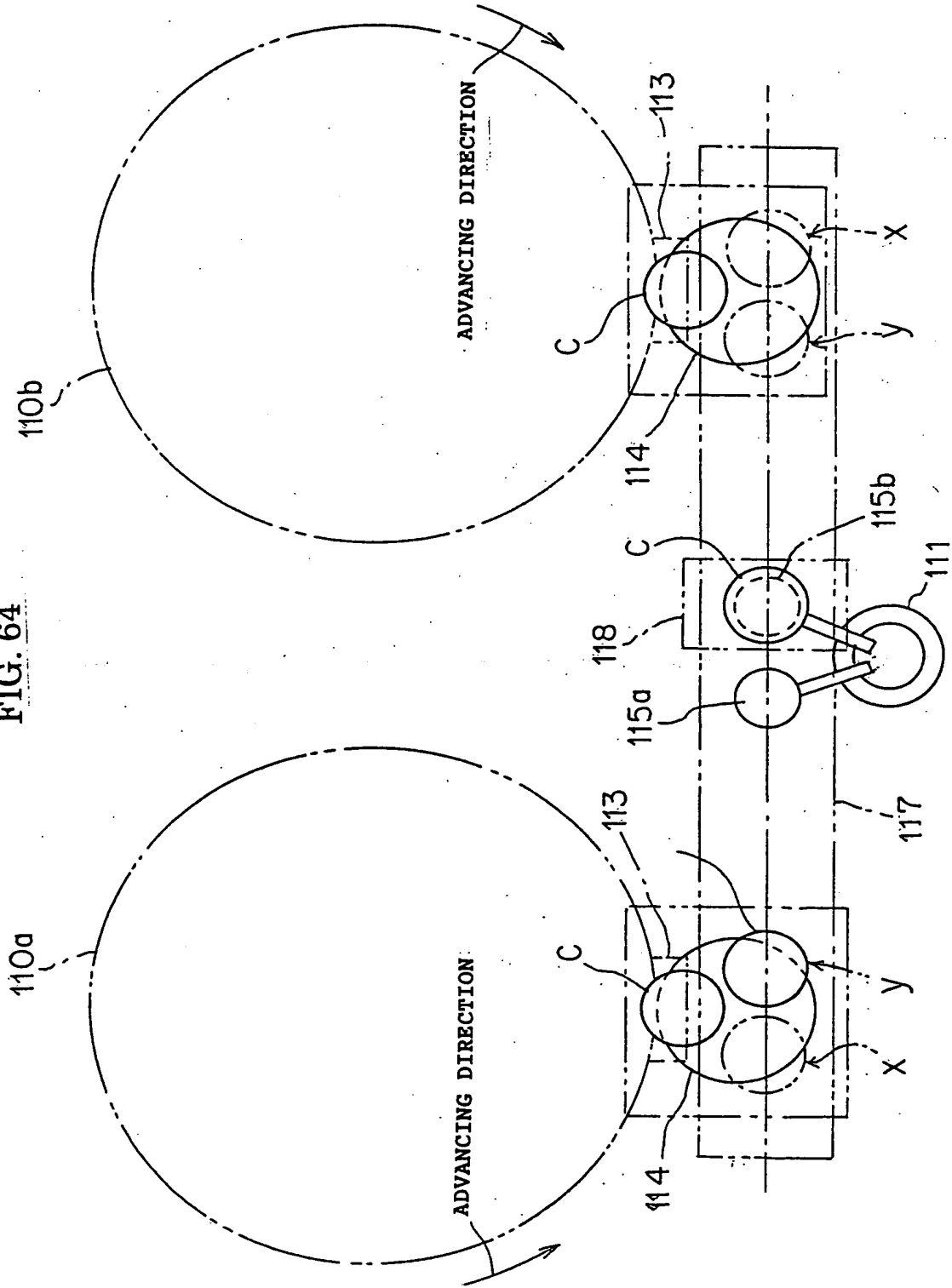


FIG. 66

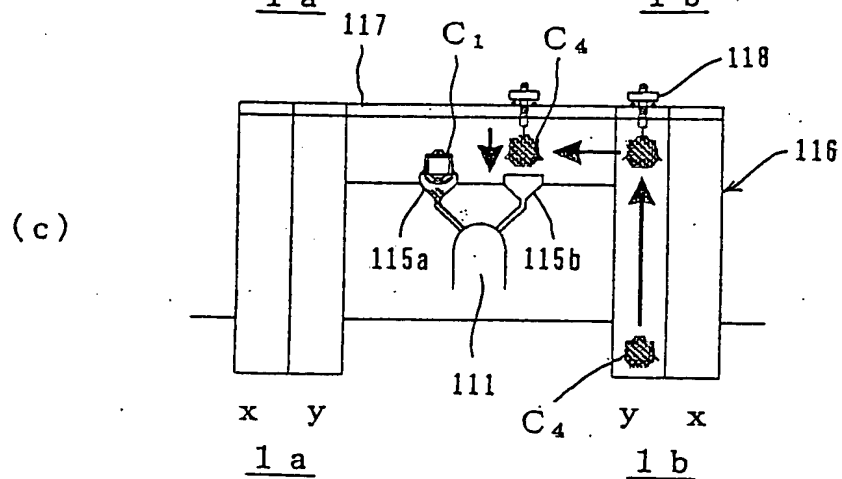
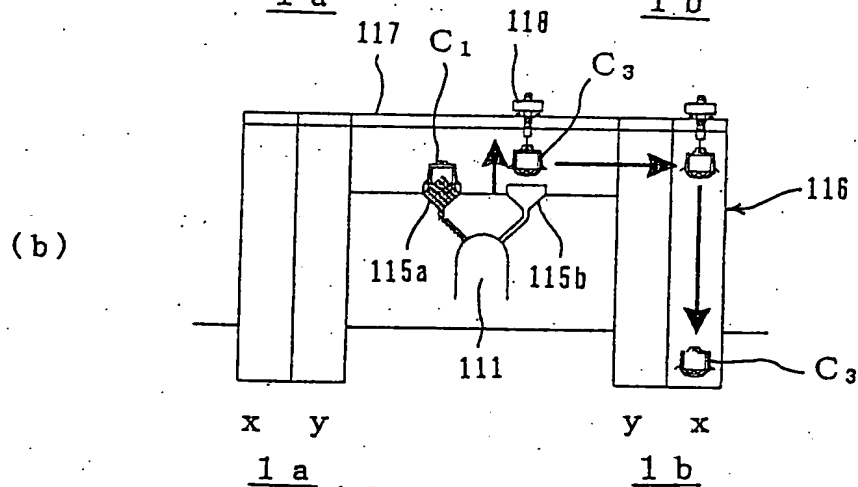
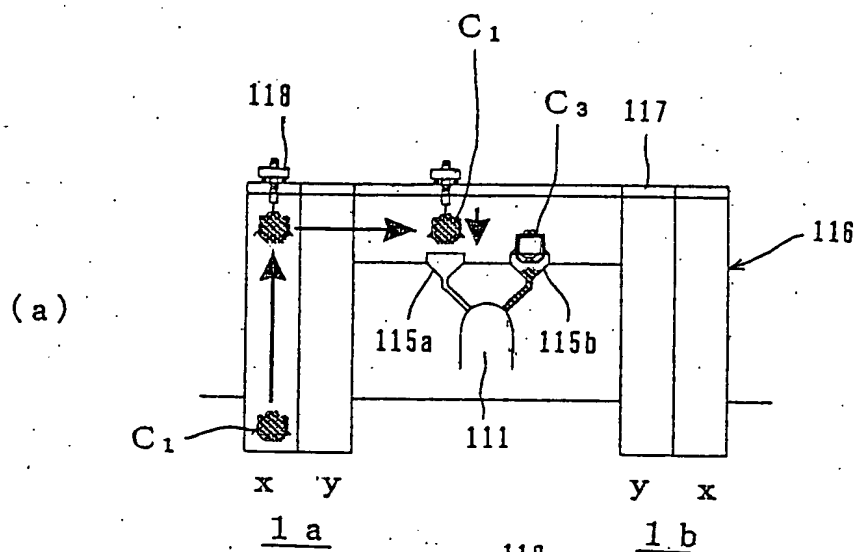


FIG. 67

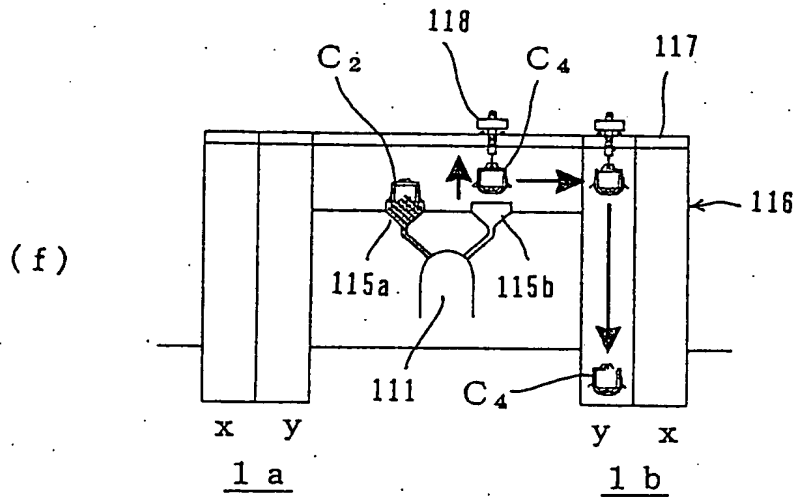
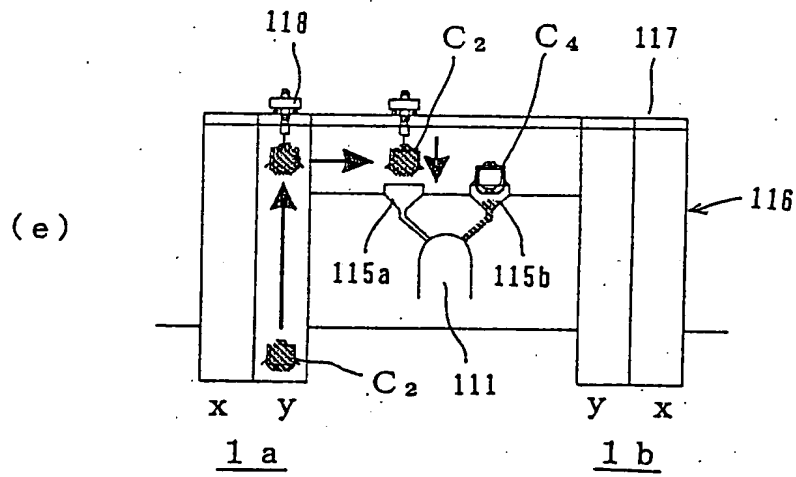
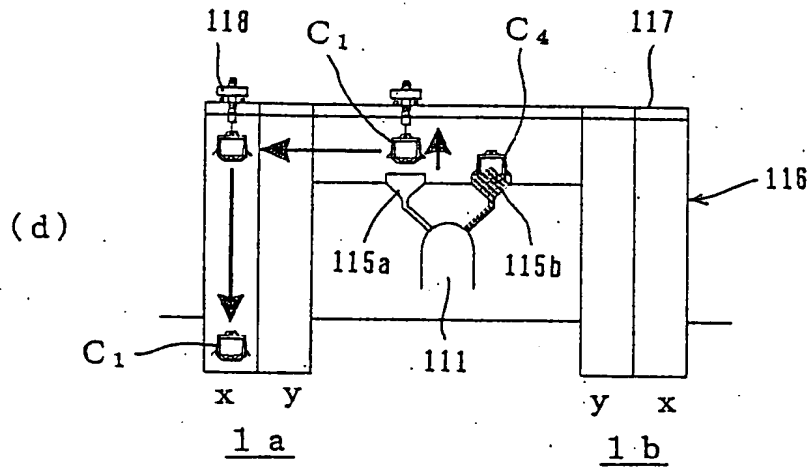


FIG. 68

